



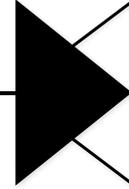
**Russell**

A1

# EQUIPMENT PRICE LIST

MARCH 2026

# COMMERCIAL REFRIGERATION



## ORDERS

All products, except surface coils and parts, are shipped F.O.B. point of shipment with full freight allowed on single orders with a net price value of \$10,000 or more, within the continental USA (excluding Alaska and Hawaii). Buyer will bear all additional costs for special routing or handling requests.



256-259-7400  
Customer Service

1-800-288-9488  
Equipment Orders

1-855-HTPARTS (1-855-487-2787)  
Parts Orders



equipment@htpg.com

parts@htpg.com



Russell.HTPG.com

## WARRANTY

The Seller warrants against defect in materials and workmanship in products which it manufactures for (1) year from the date of installation or up to 18 (eighteen) months from the date of shipment, whichever event occurs first, when properly installed and operated under normal use. This guarantee does not include any labor or other charges made outside of the Seller's factory for replacement or repair of defective parts unless specifically stated in the body of the Sellers invoice. On parts not manufactured by HTPG, such as motors, controls, valves and compressors we extend to the Buyer the same warranties made to us by the manufacturer.

The Seller's only liability under this warranty or otherwise shall be the repair or replacement (at Seller's option) of nonconforming goods or parts. Seller assumes no liability for incidental or consequential damages such as injury to persons or property, or lost profits.

Claims must be submitted to our Warranty Group within 90 days of the repair.

To submit a claim, visit <https://www.htpg.com/submit-a-claim/>

**VIEW TERMS & WARRANTY**

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# STEP-IN UNIT COOLERS



DOE AWEF values for specific models in a given application can be found in the Product Brochure on our website.

# ASLA/ASLE SLIM TEMP

Small Walk-In Coolers,  
Freezers, and Display Cases

## BTUH

Air Defrost 4,800 to 17,300

Electric Defrost 4,600 to 16,200



## MODEL NOMENCLATURE

ASL	A	2	5	061	A	D	A
Product Line	Defrost Type	No. of Fans	Fins Per Inch (FPI)	Capacity	Voltage	Motor Type	Vintage
ASL = Slim Temp Display Case	A = Air E = Electric	2 to 6		# x 100 = BTUH	A = 115/1/60 D = 230/1/60	D = Dual Speed EC	

## FEATURES & OPTIONS

● Standard ○ Optional

Dual Speed EC Motors	●
Fan motors are permanently lubricated and thermally or electronically protected	●
Electrical connections located at end opposite refrigerant connections for easier installation	●
Air or Electric Defrost models	●
UL/cUL certified for use with multiple refrigerants	●
NSF approved for use in food preparation areas	●
All aluminum low silhouette housing	●
Protective Russ-Proof* epoxy coil coating extends the life of the coil	○
FinKote2 Coating - premium protection for all fin and tube coils	○

## ASLA/E

## AIR DEFROST ∞ STANDARD COIL

115 V		230 V	
Model No.	List Price (\$US)	Model No.	List Price (\$US)
ASLA25048ADA	6,293	ASLA25048DDA	6,293
ASLA25061ADA	6,478	ASLA25061DDA	6,478
ASLA35073ADA	6,946	ASLA35073DDA	6,946
ASLA45098ADA	8,344	ASLA45098DDA	8,344
ASLA55122ADA	9,780	ASLA55122DDA	9,780
ASLA65158ADA	11,117	ASLA65158DDA	11,117

## AIR DEFROST ∞ COATED COIL (RUSS-PROOF\*)

115 V		230 V	
Model No.	List Price (\$US)	Model No.	List Price (\$US)
ASLA25048ADARP	8,421	ASLA25048DDARP	8,421
ASLA25061ADARP	8,548	ASLA25061DDARP	8,548
ASLA35073ADARP	9,204	ASLA35073DDARP	9,204
ASLA45098ADARP	10,484	ASLA45098DDARP	10,484
ASLA55122ADARP	11,933	ASLA55122DDARP	11,933
ASLA65158ADARP	13,424	ASLA65158DDARP	13,424

## ELECTRIC DEFROST

230 V	
Model No.	List Price (\$US)
ASLE25046DDA	6,733
ASLE25058DDA	7,045
ASLE35070DDA	7,574
ASLE45094DDA	9,085
ASLE55117DDA	10,575
ASLE65150DDA	11,991

See page 5 for nomenclature

\$78 List Adder for 3-prong Electrical Connector

\* Must specify white or black Russ-Proof

ASLA/E

**FACTORY MOUNTED OPTIONS**

No. of Fans	TXV	EEV <sup>1</sup>	LLSV <sup>2</sup>	Mechanical Thermostat	Finkote2 Coating
2	792	2,546	574	584	2,500
3					2,750
4					3,000
5					3,250
6					3,500

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. LLS voltage must match the voltage applied to the motor.

**SHIPPED-LOOSE ACCESSORIES**

Option Name	Option Description	List Price (\$US)
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	549
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	709
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,964
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	644
	4 to 9 Tons	917
Liquid Line Solenoid Valve (LLSV)	1/2 thru 3 HP	543
	4 thru 8 HP	607

# WALK-IN UNIT COOLERS



DOE AWEF values for specific models in a given application can be found in the Product Brochure on our website.

# NEXT-GEN ALL TEMP LOW PROFILE

Small to Medium Cooler & Freezer Applications

**BTUH**

Air Defrost 4,100 to 45,900

Electric Defrost 2,700 to 33,000

Hot Gas Defrost 2,700 to 33,000



## MODEL NOMENCLATURE // CONFIGURABLE BASE MODEL

R	L	6	E	042	E	D	A
Brand	Connections <sup>1</sup>	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
R = Russell	L = Standard U = Reverse	6 FPI 4 FPI	A = Air E = Electric H = Hot Gas 3-Pipe G = Hot Gas Reverse	# x 100 = BTUH	A = 115/1/60 D = 230/1/60 E = 208-230/3/60	D = Dual Speed EC	

## PRE-CONFIGURATION CODES<sup>2</sup>

A	L
Refrigerant	Pre-assembly Code
A = R404A R = EcoNet® Approved Refrigerants <sup>3</sup> S = R407A, R448A, R449A/B	C = Mounted TXV, LLSV & Electronic Thermostat E = EcoNet® 1.0 Control Package <sup>4</sup> F = EcoNet® 2.0 Control Package <sup>4</sup> L = Mounted TXV, LLSV & Mechanical Thermostat <sup>5</sup>

1. Refrigerant and electrical connection locations have been changed for the Next-Gen All Temp design. Standard connections "L" are now opposite of the legacy All Temp models. Mirror connections "U" are the same end as legacy All Temp models and are available only as built-to-order base units with no installed options.
  2. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables or contact your local Russell sales representative.
  3. EcoNet® approved refrigerants are: R404A, R407A, R407C, R448A, R449A/B, R507A.
  4. EcoNet® Control Package includes: EEV; suction pressure transducer; suction, entering air coil temp. thermistors; local on-board two-row LCD display and push-button adjustments. (EcoNet® replaces TXV, liquid line solenoid valve, room thermostat, defrost termination and fan delay, and time clock. EcoNet® Control Package is not available in 50 Hz.
  5. Models with Pre-configured Mechanical Components (TXV, LLSV and Mechanical or Electronic Thermostat) are rated for +25°FSS/10°FTD (Air Defrost) and -20°FSS/10°FTD (Electric Defrost).
- CO2 and Glycol Next-Gen All Temp Unit Coolers available. If required, please contact factory.

# NEXT-GEN ALL TEMP LOW PROFILE

Small to Medium Cooler & Freezer Applications

**BTUH**

Air Defrost 4,100 to 45,900

Electric Defrost 2,700 to 33,000

Hot Gas Defrost 2,700 to 33,000



## FEATURES & OPTIONS

● Standard ○ Optional

Textured aluminum construction	●
All units are provided with sweat refrigerant connections	●
All units suitable for use with R404A, R407A, R407C, R407F, R448A, R449A/B	●
Flush ceiling mount with slotted hangers and hinged access end panels	●
Face mounted heaters and fixed defrost termination, fan delay and heater safety controls	●
Dual Speed EC motors are compliant with California Title 24 regulations	●
Coated aluminum fins	○
EcoNet® Enabled Unit Cooler controller	○
EcoNet® Command Center	○
Coated housing	○
Adjustable termination/fan delay control	○
Insulated drain pan	○

## NEXT-GEN ALL TEMP • LOW PROFILE

## AIR DEFROST CONFIGURABLE BASE MODELS

No. of Fans	Dual Speed EC Motors - 6 FPI			
	115 V		230 V	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RL6A041ADA	3,260	RL6A041DDA	3,260
	RL6A052ADA	3,348	RL6A052DDA	3,348
	RL6A066ADA	3,886	RL6A066DDA	3,886
2	RL6A073ADA	5,078	RL6A073DDA	5,078
	RL6A094ADA	5,752	RL6A094DDA	5,752
	RL6A117ADA	6,042	RL6A117DDA	6,042
	RL6A130ADA	6,452	RL6A130DDA	6,452
3	RL6A141ADA	7,805	RL6A141DDA	7,805
	RL6A161ADA	8,667	RL6A161DDA	8,667
	RL6A181ADA	9,446	RL6A181DDA	9,446
4	RL6A195ADA	10,177	RL6A195DDA	10,177
	RL6A235ADA	12,342	RL6A235DDA	12,342
	RL6A260ADA	13,450	RL6A260DDA	13,450
5	RL6A295ADA	15,423	RL6A295DDA	15,423
6	RL6A330ADA	16,554	RL6A330DDA	16,554
	RL6A390ADA	18,586	RL6A390DDA	18,586

EC motors are rated for 50Hz operations. Dual Speed EC motors are compliant with California Title 24 regulations. Dual Speed motor operation employs a relay to control motor speed • Reverse Connections (U) are available at no charge and cannot be ordered with any factory mounted options.

## AIR DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Pkg w/Sporlan SER	KE2 Evaporator Defrost Control Package <sup>2</sup>	LLSV <sup>3</sup>	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	792	2,546	3,275	7,353	574	584	876	1,029	2,775
2	792	2,546	3,275	7,353	574	584	876	1,300	3,050
3	792	2,546	3,275	7,353	574	584	876	1,578	3,350
4	792	2,546	3,275	7,353	574	584	876	1,814	3,610
5	792	2,546	3,275	7,353	665	584	876	2,071	3,900
6	1,489	2,546	3,275	7,353	665	584	876	2,355	4,170

See notes on next page

NEXT-GEN ALL TEMP • LOW PROFILE

AIR DEFROST PRE-CONFIGURED<sup>4</sup> MODELS // CODE C // 115 V  
 Models include mounted TXV, LLSV, and Electronic Thermostat<sup>5</sup>

No. of Fans	Dual Speed EC Motors - 6 FPI		
	115 V		
	Model No. R404A	Model No. R407A, R448A, R449A/B	List Price (\$US)
1	RL6A041ADAAC	RL6A041ADASC	5,502
	RL6A052ADAAC	RL6A052ADASC	5,590
	RL6A066ADAAC	RL6A066ADASC	6,128
2	RL6A073ADAAC	RL6A073ADASC	7,320
	RL6A094ADAAC	RL6A094ADASC	7,994
	RL6A117ADAAC	RL6A117ADASC	8,284
	RL6A130ADAAC	RL6A130ADASC	8,694
3	RL6A141ADAAC	RL6A141ADASC	10,047
	RL6A161ADAAC	RL6A161ADASC	10,909
	RL6A181ADAAC	RL6A181ADASC	11,688
4	RL6A195ADAAC	RL6A195ADASC	12,419
	RL6A235ADAAC	RL6A235ADASC	14,584
	RL6A260ADAAC	RL6A260ADASC	15,692
5	RL6A295ADAAC	RL6A295ADASC	17,756
6	RL6A330ADAAC	RL6A330ADASC	19,584
	RL6A390ADAAC	RL6A390ADASC	21,616

AIR DEFROST CONFIGURABLE OPTIONS

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. KE2 Evaporator Control Package includes KE2 OEM control board, Liquid Line Solenoid Valve (LLSV) and Electronic Expansion Valve (EEV).
3. LLS voltage must match the voltage applied to the motor.

Shipped-Loose Accessories are found on page 27 • Alternative Housing, Coil Coating & Housing Coating options are available. Contact Application Engineering for coated housing or alternate coil coating • ElectroFin, Bronz-Glow and Heresite are available coating options.

AIR DEFROST PRE-CONFIGURED MODELS

4. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables or contact your local Russell sales representative.
5. Models with Pre-configured Mechanical Components (TXV, LLSV and Mechanical or Electronic Thermostat) are rated for +25°FSS/10°FDT (Air Defrost) and -20°FSS/10°FDT (Electric Defrost).

NEXT-GEN ALL TEMP • LOW PROFILE

AIR DEFROST PRE-CONFIGURED<sup>1</sup> MODELS // CODE C // 230 V  
 Models include mounted TXV, LLSV, and Electronic Thermostat<sup>2</sup>

No. of Fans	Dual Speed EC Motors - 6 FPI		
	230 V		
	Model No. R404A	Model No. R407A, R448A, R449A/B	List Price (\$US)
1	RL6A041DDAAC	RL6A041DDASC	5,502
	RL6A052DDAAC	RL6A052DDASC	5,590
	RL6A066DDAAC	RL6A066DDASC	6,128
2	RL6A073DDAAC	RL6A073DDASC	7,320
	RL6A094DDAAC	RL6A094DDASC	7,994
	RL6A117DDAAC	RL6A117DDASC	8,284
	RL6A130DDAAC	RL6A130DDASC	8,694
3	RL6A141DDAAC	RL6A141DDASC	10,047
	RL6A161DDAAC	RL6A161DDASC	10,909
	RL6A181DDAAC	RL6A181DDASC	11,688
4	RL6A195DDAAC	RL6A195DDASC	12,419
	RL6A235DDAAC	RL6A235DDASC	14,584
	RL6A260DDAAC	RL6A260DDASC	15,692
5	RL6A295DDAAC	RL6A295DDASC	17,756
6	RL6A330DDAAC	RL6A330DDASC	19,584
	RL6A390DDAAC	RL6A390DDASC	21,616

1. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables or contact your local Russell sales representative.
2. Models with Pre-configured Mechanical Components (TXV, LLSV and Mechanical or Electronic Thermostat) are rated for +25°FSST/10°FTD (Air Defrost) and -20°FSST/10°FTD (Electric Defrost).

## NEXT-GEN ALL TEMP • LOW PROFILE

AIR DEFROST PRE-CONFIGURED<sup>1</sup> MODELS // CODE RE // ECONET<sup>®</sup> 1.0 ENABLED  
 Models include EcoNet<sup>®</sup> Control Package<sup>3</sup>

No. of Fans	Dual Speed EC Motors - 6 FPI - 115 V	
	EcoNet <sup>®</sup> Control Package <sup>2,3,4</sup>	
	Model No.	List Price (\$US)
1	RL6A041ADARE	6,535
	RL6A052ADARE	6,623
	RL6A066ADARE	7,161
2	RL6A073ADARE	8,353
	RL6A094ADARE	9,027
	RL6A117ADARE	9,317
	RL6A130ADARE	9,727
3	RL6A141ADARE	11,080
	RL6A161ADARE	11,942
	RL6A181ADARE	12,721
4	RL6A195ADARE	13,452
	RL6A235ADARE	15,617
	RL6A260ADARE	16,725
5	RL6A295ADARE	18,698
6	RL6A330ADARE	19,829
	RL6A390ADARE	21,861

1. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables or contact your local Russell sales representative.
2. EcoNet<sup>®</sup> approved refrigerants are: R404A, R407A, R407C, R448A, R449A/B, R507A
3. EcoNet<sup>®</sup> Control Package includes: EEV; suction pressure transducer; suction, entering air coil temp. thermistors; local on-board two-row LCD display and push-button adjustments. (EcoNet<sup>®</sup> replaces TXV, liquid line solenoid valve, room thermostat, defrost termination and fan delay, and time clock.)
4. EcoNet<sup>®</sup> Control Package is not available in 50 Hz.

Final Price Book release with EcoNet<sup>®</sup> 1.0 \*while supplies last

## NEXT-GEN ALL TEMP • LOW PROFILE

AIR DEFROST PRE-CONFIGURED<sup>1</sup> MODELS // CODE RSF // ECONET<sup>®</sup> 2.0 WITH SER VALVE  
 Models include EcoNet<sup>®</sup> 2.0 Control Package<sup>3</sup>

No. of Fans	Dual Speed EC Motors - 6 FPI - 115 V	
	EcoNet <sup>®</sup> 2.0 Control Package <sup>2,3,4</sup>	
	Model No.	List Price (\$US)
1	RL6A041ADARSF	6,535
	RL6A052ADARSF	6,623
	RL6A066ADARSF	7,161
2	RL6A073ADARSF	8,353
	RL6A094ADARSF	9,027
	RL6A117ADARSF	9,317
	RL6A130ADARSF	9,727
3	RL6A141ADARSF	11,080
	RL6A161ADARSF	11,942
	RL6A181ADARSF	12,721
4	RL6A195ADARSF	13,452
	RL6A235ADARSF	15,617
	RL6A260ADARSF	16,725
5	RL6A295ADARSF	18,698
6	RL6A330ADARSF	19,829
	RL6A390ADARSF	21,861

1. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables or contact your local Russell sales representative.
2. EcoNet<sup>®</sup> approved refrigerants are: R404A, R407A, R407C, R448A, R449A/B, R507A
3. EcoNet<sup>®</sup> Control Package includes: EEV; suction pressure transducer; suction, entering air coil temp. thermistors; local on-board two-row LCD display and push-button adjustments. (EcoNet<sup>®</sup> replaces TXV, liquid line solenoid valve, room thermostat, defrost termination and fan delay, and time clock.)
4. EcoNet<sup>®</sup> Control Package is not available in 50 Hz.

## NEXT-GEN ALL TEMP • LOW PROFILE

AIR DEFROST PRE-CONFIGURED<sup>1</sup> MODELS // CODE LModels include mounted TXV, LLSV, and Mechanical Thermostat<sup>2</sup>

No. of Fans	Dual Speed EC Motors - 6 FPI - 115 V			
	Mounted Components (404)		Mounted Components (High-Glide)	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RL6A041ADAAL	5,210	RL6A041ADASL	5,210
	RL6A052ADAAL	5,298	RL6A052ADASL	5,298
	RL6A066ADAAL	5,836	RL6A066ADASL	5,836
2	RL6A073ADAAL	7,028	RL6A073ADASL	7,028
	RL6A094ADAAL	7,702	RL6A094ADASL	7,702
	RL6A117ADAAL	7,992	RL6A117ADASL	7,992
	RL6A130ADAAL	8,402	RL6A130ADASL	8,402
3	RL6A141ADAAL	9,755	RL6A141ADASL	9,755
	RL6A161ADAAL	10,617	RL6A161ADASL	10,617
	RL6A181ADAAL	11,396	RL6A181ADASL	11,396
4	RL6A195ADAAL	12,127	RL6A195ADASL	12,127
	RL6A235ADAAL	14,292	RL6A235ADASL	14,292
	RL6A260ADAAL	15,400	RL6A260ADASL	15,400
5	RL6A295ADAAL	17,464	RL6A295ADASL	17,464
6	RL6A330ADAAL	19,292	RL6A330ADASL	19,292
	RL6A390ADAAL	21,324	RL6A390ADASL	21,324

1. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables or contact your local Russell sales representative.
2. Models with Pre-configured Mechanical Components (TXV, LLSV and Mechanical Thermostat) are rated for +25°FSSST/10°FDT (Air Defrost) and -20°FSSST/10°FDT (Electric Defrost).

NEXT-GEN ALL TEMP • LOW PROFILE

**ELECTRIC DEFROST CONFIGURABLE BASE MODELS**

No. of Fans	Dual Speed EC Motors - 230 V			
	6 FPI		4 FPI	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RL6E035DDA	4,448	RL4E027DDA	4,269
	RL6E042DDA	4,947	RL4E032DDA	4,748
	RL6E049DDA	5,444	RL4E038DDA	5,227
2	RL6E066DDA	6,860	RL4E051DDA	6,584
	RL6E077DDA	7,216	RL4E064DDA	6,930
	RL6E090DDA	7,428	RL4E080DDA	7,132
	RL6E105DDA	8,705	Not Available	
3	RL6E121DDA	9,732	RL4E094DDA	9,340
	RL6E142DDA	11,103	RL4E110DDA	10,662
4	RL6E162DDA	13,024	RL4E125DDA	12,500
	RL6E182DDA	14,372	RL4E141DDA	13,794
5	RL6E200DDA	16,161	RL4E155DDA	15,518
6	RL6E244DDA	18,959	RL4E195DDA	18,201
	RL6E281DDA	20,991	RL4E230DDA	20,151

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Reverse Connections (U) are available at No Charge. Reverse Connection models cannot be ordered with any factory mounted options. • 5 & 6 fan electric defrost models are also available wired for 208-230/3/60. EcoNet® is not available on 208-230/3/60 Models.

**ELECTRIC DEFROST CONFIGURABLE OPTIONS**

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)									
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Package with Sporlan SER	KE2 Evaporator Defrost Control <sup>2</sup>	LLSV <sup>3</sup>	Mechanical Thermostat	Electronic Thermostat	Adjustable Termination Switch/Fan Delay	Insulated Drain Pan	Finkote2 Coating
1	792	2,546	3,275	7,353	574	584	876	603	1,029	2,775
2	792	2,546	3,275	7,353	574	584	876	603	1,300	3,050
3	792	2,546	3,275	7,353	574	584	876	603	1,578	3,350
4	792	2,546	3,275	7,353	574	584	876	603	1,814	3,610
5	792	2,546	3,275	7,353	665	584	876	603	2,071	3,900
6	1,489	2,546	3,275	7,353	665	584	876	603	2,355	4,170

See notes on next page.

## NEXT-GEN ALL TEMP • LOW PROFILE

**ELECTRIC DEFROST PRE-CONFIGURED<sup>4</sup> MODELS // CODE C**  
 Models include mounted TXV, LLSV, and Electronic Thermostat<sup>5</sup>

No. of Fans	Dual Speed EC Motors - 6 FPI		
	230 V		
	Model No. R404A	Model No. R407A, R448A, R449A/B	List Price (\$US)
1	RL6E035DDAAC	RL6E035DDASC	6,690
	RL6E042DDAAC	RL6E042DDASC	7,189
	RL6E049DDAAC	RL6E049DDASC	7,686
2	RL6E066DDAAC	RL6E066DDASC	9,102
	RL6E077DDAAC	RL6E077DDASC	9,458
	RL6E090DDAAC	RL6E090DDASC	9,670
	RL6E105DDAAC	RL6E105DDASC	10,947
3	RL6E121DDAAC	RL6E121DDASC	11,974
	RL6E142DDAAC	RL6E142DDASC	13,345
4	RL6E162DDAAC	RL6E162DDASC	15,266
	RL6E182DDAAC	RL6E182DDASC	16,614
5	RL6E200DDAAC	RL6E200DDASC	18,494
6	RL6E244DDAAC	RL6E244DDASC	21,989
	RL6E281DDAAC	RL6E281DDASC	24,021

## ELECTRIC DEFROST CONFIGURABLE OPTIONS (PREVIOUS PAGE)

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. KE2 Evaporator Defrost Control Package includes a Liquid Line Solenoid Valve (LLSV) and Electronic Expansion Valve (EEV)
3. LLS voltage must match the voltage applied to the motor.

Shipped-Loose Accessories are found on page 27 • Alternative Housing, Coil Coating & Housing Coating options are available. Contact Application Engineering for coated housing or alternate coil coating • ElectroFin, Bronz-Glow and Heresite are available coating options.

## ELECTRIC DEFROST PRE-CONFIGURED OPTIONS

4. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables or contact your local Russell sales representative.
5. Models with Pre-configured Mechanical Components (TXV, LLSV and Mechanical or Electronic Thermostat) are rated for +25°FSS/10°FDT (Air Defrost) and -20°FSS/10°FDT (Electric Defrost).

NEXT-GEN ALL TEMP • LOW PROFILE

**ELECTRIC DEFROST PRE-CONFIGURED<sup>1</sup> MODELS // CODE RE // ECONET<sup>®</sup> 1.0 ENABLED**  
**Models include EcoNet<sup>®</sup> Control Package<sup>3</sup>**

No. of Fans	Dual Speed EC Motors - 6 FPI - 230 V	
	EcoNet <sup>®</sup> Control Package <sup>2,3,4</sup>	
	Model No.	List Price (\$US)
1	RL6E035DDARE	7,723
	RL6E042DDARE	8,222
	RL6E049DDARE	8,719
2	RL6E066DDARE	10,135
	RL6E077DDARE	10,491
	RL6E090DDARE	10,703
	RL6E105DDARE	11,980
3	RL6E121DDARE	13,007
	RL6E142DDARE	14,378
4	RL6E162DDARE	16,299
	RL6E182DDARE	17,647
5	RL6E200DDARE	19,436
6	RL6E244DDARE	22,234
	RL6E281DDARE	24,266

1. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables or contact your local Russell sales representative.
2. EcoNet<sup>®</sup> approved refrigerants are: R404A, R407A, R407C, R448A, R449A/B, R507A.
3. EcoNet<sup>®</sup> Control Package includes: EEV; suction pressure transducer; suction, entering air coil temp. thermistors; local on-board two-row LCD display and push-button adjustments. (EcoNet<sup>®</sup> replaces TXV, liquid line solenoid valve, room thermostat, defrost termination and fan delay, and time clock.)
4. EcoNet<sup>®</sup> Control Package is not available in 50 Hz.

Models with Pre-configured Mechanical Components (TXV, LLSV and Mechanical or Electronic Thermostat) are rated for +25°FSS/10°FTD (Air Defrost) and -20°FSS/10°FTD (Electric Defrost).

Final Price Book release with EcoNet<sup>®</sup> 1.0 \*while supplies last

## NEXT-GEN ALL TEMP • LOW PROFILE

**ELECTRIC DEFROST PRE-CONFIGURED<sup>1</sup> MODELS // CODE RSF // ECONET<sup>®</sup> 2.0 WITH SER VALVE**  
**Models include EcoNet<sup>®</sup> 2.0 Control Package<sup>3</sup>**

No. of Fans	Dual Speed EC Motors - 6 FPI - 230 V	
	EcoNet <sup>®</sup> 2.0 Control Package <sup>2,3,4</sup>	
	Model No.	List Price (\$US)
1	RL6E035DDARSF	7,723
	RL6E042DDARSF	8,222
	RL6E049DDARSF	8,719
2	RL6E066DDARSF	10,135
	RL6E077DDARSF	10,491
	RL6E090DDARSF	10,703
	RL6E105DDARSF	11,980
3	RL6E121DDARSF	13,007
	RL6E142DDARSF	14,378
4	RL6E162DDARSF	16,299
	RL6E182DDARSF	17,647
5	RL6E200DDARSF	19,436
6	RL6E244DDARSF	22,234
	RL6E281DDARSF	24,266

1. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables or contact your local Russell sales representative.
2. EcoNet<sup>®</sup> approved refrigerants are: R404A, R407A, R407C, R448A, R449A/B, R507A.
3. EcoNet<sup>®</sup> Control Package includes: EEV; suction pressure transducer; suction, entering air coil temp. thermistors; local on-board two-row LCD display and push-button adjustments. (EcoNet<sup>®</sup> replaces TXV, liquid line solenoid valve, room thermostat, defrost termination and fan delay, and time clock.)
4. EcoNet<sup>®</sup> Control Package is not available in 50 Hz.

Models with Pre-configured Mechanical Components (TXV, LLSV and Mechanical or Electronic Thermostat) are rated for +25°FSSST/10°FDT (Air Defrost) and -20°FSSST/10°FDT (Electric Defrost).

NEXT-GEN ALL TEMP • LOW PROFILE

**ELECTRIC DEFROST PRE-CONFIGURED<sup>1</sup> MODELS // CODE L**  
 Models include mounted TXV, LLSV, and Mechanical Thermostat<sup>2</sup>

No. of Fans	Dual Speed EC Motors - 6 FPI - 230 V			
	R404A		R407A, R448A, R449A/B	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RL6E035DDAAL	6,398	RL6E035DDASL	6,398
	RL6E042DDAAL	6,897	RL6E042DDASL	6,897
	RL6E049DDAAL	7,394	RL6E049DDASL	7,394
2	RL6E066DDAAL	8,810	RL6E066DDASL	8,810
	RL6E077DDAAL	9,166	RL6E077DDASL	9,166
	RL6E090DDAAL	9,378	RL6E090DDASL	9,378
	RL6E105DDAAL	10,655	RL6E105DDASL	10,655
3	RL6E121DDAAL	11,682	RL6E121DDASL	11,682
	RL6E142DDAAL	13,053	RL6E142DDASL	13,053
4	RL6E162DDAAL	14,974	RL6E162DDASL	14,974
	RL6E182DDAAL	16,322	RL6E182DDASL	16,322
5	RL6E200DDAAL	18,202	RL6E200DDASL	18,202
6	RL6E244DDAAL	21,697	RL6E244DDASL	21,697
	RL6E281DDAAL	23,729	RL6E281DDASL	23,729

1. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables or contact your local Russell sales representative.
2. Models with Pre-configured Mechanical Components (TXV, LLSV and Mechanical or Electronic Thermostat) are rated for +25°FSST/10°FTD (Air Defrost) and -20°FSST/10°FTD (Electric Defrost).

NEXT-GEN ALL TEMP • LOW PROFILE

HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE BASE MODELS

No. of Fans	Dual Speed EC Motors - 115 V			
	6 FPI		4 FPI	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RL6G035ADA	4,331	RL4G027ADA	4,156
	RL6G042ADA	4,889	RL4G032ADA	4,693
	RL6G049ADA	5,516	RL4G038ADA	5,298
2	RL6G066ADA	6,624	RL4G051ADA	6,360
	RL6G077ADA	7,333	RL4G064ADA	7,040
	RL6G090ADA	7,772	RL4G080ADA	7,463
	RL6G105ADA	9,111	Not Available	
3	RL6G121ADA	9,567	RL4G094ADA	9,181
	RL6G142ADA	11,197	RL4G110ADA	10,749
4	RL6G162ADA	12,436	RL4G125ADA	11,936
	RL6G182ADA	13,931	RL4G141ADA	13,371
5	RL6G200ADA	14,726	RL4G155ADA	14,138
6	RL6G244ADA	17,832	RL4G195ADA	17,119
	RL6G281ADA	19,858	RL4G230ADA	19,064

No. of Fans	Dual Speed EC Motors - 230 V			
	6 FPI		4 FPI	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RL6G035DDA	4,428	RL4G027DDA	4,254
	RL6G042DDA	5,003	RL4G032DDA	4,803
	RL6G049DDA	5,645	RL4G038DDA	5,423
2	RL6G066DDA	7,049	RL4G051DDA	6,767
	RL6G077DDA	6,116	RL4G064DDA	7,443
	RL6G090DDA	8,296	RL4G080DDA	7,964
	RL6G105DDA	9,636	Not Available	
3	RL6G121DDA	10,179	RL4G094DDA	9,771
	RL6G142DDA	11,599	RL4G110DDA	11,135
4	RL6G162DDA	13,221	RL4G125DDA	12,693
	RL6G182DDA	14,959	RL4G141DDA	14,358
5	RL6G200DDA	15,654	RL4G155DDA	15,029
6	RL6G244DDA	19,136	RL4G195DDA	18,372
	RL6G281DDA	21,424	RL4G230DDA	20,568

See notes on next page

## NEXT-GEN ALL TEMP • LOW PROFILE

## HOT GAS DEFROST CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)							
	TXV	EEV <sup>1</sup>	LLSV <sup>3</sup>	Mechanical Thermostat	Electronic Thermostat	Adjustable Termination Switch/Fan Delay	Insulated Drain Pan	Finkote2 Coating
1	792	2,546	574	584	876	603	1,029	2,775
2	792	2,546	574	584	876	603	1,300	3,050
3	792	2,546	574	584	876	603	1,578	3,350
4	792	2,546	574	584	876	603	1,814	3,610
5	792	2,546	665	584	876	603	2,071	3,900
6	1,489	2,546	665	584	876	603	2,355	4,170

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Hot Gas Defrost models feature an Electric Drain Pan Heater. Hot Gas Drain Pans are not available at this time.

1. If ordering a factory mounted TXV with a Hot Gas Defrost Reverse Cycle unit, a factory mounted LLSV must also be ordered. For this option selection, a check valve will also be included.
2. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
3. LLS voltage must match the voltage applied to the motor.

Consult Factory for Factory Mounted Suction Check Valves • Shipped-Loose Accessories are found on page 27 • Alternative Housing, Coil Coating & Housing Coating options are available. Contact Application Engineering for coated housing or alternate coil coating • ElectroFin, Bronz-Glow and Heresite are available coating options.

**All Hot Gas Reverse Cycle** Unit Coolers  
require a TXV/LLSV/Check Valve or an EEV

## NEXT-GEN ALL TEMP • LOW PROFILE

## HOT GAS DEFROST // 3-PIPE CONFIGURABLE BASE MODELS

No. of Fans	Dual Speed EC Motors - 115 V			
	6 FPI		4 FPI	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RL6H035ADA	4,331	RL4H027ADA	4,156
	RL6H042ADA	4,889	RL4H032ADA	4,693
	RL6H049ADA	5,516	RL4H038ADA	5,298
2	RL6H066ADA	6,624	RL4H051ADA	6,360
	RL6H077ADA	7,333	RL4H064ADA	7,040
	RL6H090ADA	7,772	RL4H080ADA	7,463
	RL6H105ADA	9,111	Not Available	
3	RL6H121ADA	9,567	RL4H094ADA	9,181
	RL6H142ADA	11,197	RL4H110ADA	10,749
4	RL6H162ADA	12,436	RL4H125ADA	11,936
	RL6H182ADA	13,931	RL4H141ADA	13,371
5	RL6H200ADA	14,726	RL4H155ADA	14,138
6	RL6H244ADA	17,832	RL4H195ADA	17,119
	RL6H281ADA	19,858	RL4H230ADA	19,064

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Hot Gas Defrost models feature an Electric Drain Pan Heater. Hot Gas Drain Pans are not available at this time.

All **Hot Gas Defrost 3-Pipe** Unit Coolers  
require a TXV or an EEV

## NEXT-GEN ALL TEMP • LOW PROFILE

## HOT GAS DEFROST // 3-PIPE CONFIGURABLE BASE MODELS

No. of Fans	Dual Speed EC Motors - 230 V			
	6 FPI		4 FPI	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RL6H035DDA	4,428	RL4H027DDA	4,254
	RL6H042DDA	5,003	RL4H032DDA	4,803
	RL6H049DDA	5,645	RL4H038DDA	5,423
2	RL6H066DDA	7,049	RL4H051DDA	6,767
	RL6H077DDA	7,756	RL4H064DDA	7,443
	RL6H090DDA	8,296	RL4H080DDA	7,964
	RL6H105DDA	9,636	Not Available	
3	RL6H121DDA	10,179	RL4H094DDA	9,771
	RL6H142DDA	11,599	RL4H110DDA	11,135
4	RL6H162DDA	13,221	RL4H125DDA	12,693
	RL6H182DDA	14,959	RL4H141DDA	14,358
5	RL6H200DDA	15,654	RL4H155DDA	15,029
6	RL6H244DDA	19,136	RL4H195DDA	18,372
	RL6H281DDA	21,424	RL4H230DDA	20,568

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Hot Gas Defrost models feature an Electric Drain Pan Heater. Hot Gas Drain Pans are not available at this time.

All **Hot Gas Defrost 3-Pipe** Unit Coolers  
require a TXV or an EEV

NEXT-GEN ALL TEMP • LOW PROFILE

HOT GAS DEFROST CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)							
	TXV	EEV <sup>1</sup>	LLSV <sup>2</sup>	Mechanical Thermostat	Electronic Thermostat	Adjustable Termination Switch/Fan Delay	Insulated Drain Pan	Finkote2 Coating
1	792	2,546	574	584	876	603	1,029	2,775
2	792	2,546	574	584	876	603	1,300	3,050
3	792	2,546	574	584	876	603	1,578	3,350
4	792	2,546	574	584	876	603	1,814	3,610
5	792	2,546	665	584	876	603	2,071	3,900
6	1,489	2,546	665	584	876	603	2,355	4,170

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Hot Gas Defrost models feature an Electric Drain Pan Heater. Hot Gas Drain Pans are not available at this time.

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. LLS voltage must match the voltage applied to the motor.

Consult Factory for Factory Mounted Suction Check Valves • Shipped-Loose Accessories are found on page 27 • Alternative Housing, Coil Coating & Housing Coating options are available. Contact Application Engineering for coated housing or alternate coil coating • ElectroFin, Bronz-Glow and Heresite are available coating options.

All **Hot Gas Defrost 3-Pipe** Unit Coolers  
require a TXV or an EEV

## NEXT-GEN ALL TEMP • LOW PROFILE

**Shipped Loose Accessories****CONTROLS & THERMOSTATS**

Option Name	Option Description	List Price (\$US)
EcoNet® Command Center	EcoNet® Command Center for EcoNet® Enabled Unit Coolers	1,684
Mechanical Thermostat	Mechanical Thermostat: -30°F to +100°F	549
Electronic Thermostat	Electronic Thermostat: -30°F to +100°F	709

**VALVES**

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,964
	16 to 25 Tons	2,820
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	644
	4 to 9 Tons	917
	10 to 30 Tons	1,613
Liquid Line Solenoid Valve (LLSV)	1/2 thru 3 HP	543
	4 thru 8 HP	607
	9 thru 10 HP	881
	12 thru 15 HP	1,082
	22 HP	1,381

**HEAT EXCHANGERS**

Part No.	Model No.	Length (in)	Liquid Line (in)	Suction Line (in)	List Price (\$US)
HX-25	105065001	12	1/4	1/2	296
HX-50	105065003	13	3/8	5/8	347
HX-75	105065004	14	3/8	7/8	475
HX-100	105065005	14	3/8	1-1/8	605
HX-150	105065006	14	1/2	1-1/8	700

# DUAL-RATED NEXT-GEN ALL TEMP LOW PROFILE

Small to Medium Cooler & Freezer Applications

**BTUH**

Air Defrost 4,100 to 37,500

Electric Defrost 4,200 to 23,700



## MODEL NOMENCLATURE // CONFIGURABLE BASE MODEL

R	D	L	6	A	050	A	D	A
Brand	Refrigerant Class	Connections	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
R = Russell	D = Dual-Rated A1/A2L (R404A, R407A, R448A, R449A/B, R454A, R454C, R455A)	L = Standard	6 FPI	A = Air E = Electric	# x 100 = BTUH	A = 115/1/60 D = 230/1/60	D = Dual Speed EC	

## FEATURES & OPTIONS

● Standard ○ Optional

Textured aluminum construction	●
All units are provided with sweat refrigerant connections	●
All units suitable for use with R404A, R407A, R407C, R407F, R448A, R449A/B	●
Units suitable for A2L refrigerants (R454A, R454C and R455A) with installed A2L conversion kit (sold separately)	○
Flush ceiling mount with slotted hangers and hinged access end panels	●
Face mounted heaters and fixed defrost termination, fan delay and heater safety controls	●
Dual Speed EC motors are compliant with California Title 24 regulations	●

## NEXT-GEN ALL TEMP • LOW PROFILE

## DUAL-RATED AIR DEFROST BASE MODEL WITHOUT A2L CONVERSION KIT

No. of Fans	Dual Speed EC Motors	
	115 V	
	Model No.	List Price (\$US)
1	RDL6A050ADA	3,308
	RDL6A062ADA	3,398
	RDL6A081ADA	3,945
2	RDL6A088ADA	5,154
	RDL6A113ADA	5,838
	RDL6A141ADA	6,133
	RDL6A159ADA	6,549
3	RDL6A170ADA	7,923
	RDL6A196ADA	8,797
	RDL6A220ADA	9,682
4	RDL6A234ADA	10,534
	RDL6A289ADA	13,207
	RDL6A316ADA	14,458
5	RDL6A375ADA	16,580

EC motors are rated for 50Hz operations. Dual Speed EC motors are compliant with California Title 24 regulations. Dual Speed motor operation employs a relay to control motor speed

## CONVERSION KIT PRICING

Part No.	Part Description	List Price (\$US)
08543357	A2L Conversion Kit - Air Defrost	1,745
08543358	A2L Conversion Kit - Electric Defrost	1,946
08543559	A2L Conversion Kit - Additional Sensor (Required on 5 Fan Units)	593

## NEXT-GEN ALL TEMP • LOW PROFILE

## DUAL-RATED BASE ELECTRICAL DEFROST MODEL WITHOUT A2L CONVERSION KIT

No. of Fans	Dual Speed EC Motors	
	230 V	
	Model No.	List Price (\$US)
1	RDL6E051DDA	5,021
	RDL6E058DDA	5,525
2	RDL6E079DDA	6,963
	RDL6E092DDA	7,324
	RDL6E110DDA	7,540
	RDL6E129DDA	8,835
3	RDL6E148DDA	9,879
	RDL6E173DDA	11,492
4	RDL6E194DDA	13,936
	RDL6E218DDA	15,449
5	RDL6E237DDA	17,373

EC motors are rated for 50Hz operations. Dual Speed EC motors are compliant with California Title 24 regulations. Dual Speed motor operation employs a relay to control motor speed

## CONVERSION KIT PRICING

Part No.	Part Description	List Price (\$US)
08543357	A2L Conversion Kit - Air Defrost	1,745
08543358	A2L Conversion Kit - Electric Defrost	1,946
08543559	A2L Conversion Kit - Additional Sensor (Required on 5 Fan Units)	593

## DUAL-RATED ALL TEMP • LOW PROFILE

**Shipped Loose Accessories**

## SHUT-OFF VALVES - REQUIRED FOR A2L REFRIGERANTS ONLY

No. of Fans	List Price (\$US)	
	Solenoid Shut-Off Valve (SSOV)	Check Shut-Off Valve (CSOV)
1	850	224
2	850	224
3	850	224
4	850	224
5	887	324
6	887	324

All A2L Evaporators require SSOV and CSOV isolation valves, which must be shipped loose for field installation.

# CENTER MOUNT LOW HEIGHT

Small to Medium  
Cooler & Freezer Applications

## BTUH

Air Defrost 4,100 to 30,400

Electric Defrost 3,700 to 32,400



## MODEL NOMENCLATURE

R	E	6	A	041	A	D	A
Brand	Style	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
R = Russell	E = Center Mount	6 FPI 4 FPI	A = Air E = Electric	# x 100 = BTUH	A = 115/1/60 D = 230/1/60	D = Dual Speed EC	

## FEATURES & OPTIONS

● Standard ○ Optional

Dual Speed EC Motors	●
Extra low height — mounts flush to ceiling	●
Two-way air flow for even air circulation and consistent temperature	●
Electric Defrost models feature independently defrosted coils for optimal defrost performance	●
High efficiency fan guard design and deep draw venturi provide optimal air flow	●
Sloped housing for efficient condensate draining	●
Unique design allows for service in confined spaces	●
Lightweight and durable embossed aluminum housing	●
Coated aluminum fins	○
EcoNet® Enabled Unit Cooler controller (factory-installed)	○
EcoNet® Command Center (loose)	○

Continued on next page

# CENTER MOUNT LOW HEIGHT

Small to Medium  
Cooler & Freezer Applications

**BTUH**

Air Defrost 4,100 to 30,400

Electric Defrost 3,700 to 32,400



FEATURES & OPTIONS	● Standard	○ Optional
Thermostat - Mechanical or Electric (mounted or loose)	<input checked="" type="radio"/>	<input type="radio"/>
Thermostatic Expansion Valve (mounted or loose)	<input checked="" type="radio"/>	<input type="radio"/>
Electronic Expansion Valve (mounted or loose)	<input checked="" type="radio"/>	<input type="radio"/>
Liquid Line Solenoid Available Loose for field installation	<input checked="" type="radio"/>	<input type="radio"/>
Insulated Drain Pan	<input checked="" type="radio"/>	<input type="radio"/>
Painted Cabinet (White or Black)	<input checked="" type="radio"/>	<input type="radio"/>
Stainless Steel Cabinet	<input checked="" type="radio"/>	<input type="radio"/>
Coated Coil (Russproof, Heresite, Bronz-Glow, or Electrofin®)	<input checked="" type="radio"/>	<input type="radio"/>
Heat Exchanger (loose)	<input checked="" type="radio"/>	<input type="radio"/>

CENTER MOUNT • LOW HEIGHT

AIR DEFROST CONFIGURABLE BASE MODELS

No. of Fans	Dual Speed EC Motors - 6 FPI			
	115 V		230 V	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RE6A041ADA	4,313	RE6A041DDA	4,531
2	RE6A070ADA	6,260	RE6A070DDA	6,536
	RE6A084ADA	6,865	RE6A084DDA	7,148
3	RE6A104ADA	7,494	RE6A104DDA	7,835
	RE6A128ADA	9,366	RE6A128DDA	9,723
4	RE6A141ADA	10,326	RE6A141DDA	10,739
	RE6A169ADA	11,889	RE6A169DDA	12,319
5	RE6A204ADA	12,972	RE6A204DDA	13,465
	RE6A258ADA	15,695	RE6A258DDA	17,824

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed.

AIR DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)							
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Pkg w/ Sporlan SER	LLSV <sup>2</sup>	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	792	2,546	3,275	574	584	876	267	3,610
2	792	2,546	3,275	574	584	876	336	3,610
3	792	2,546	3,275	574	584	876	407	3,900
4	792	2,546	3,275	574	584	876	477	4,170
5	792	2,546	3,275	574	584	876	549	5,000

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. LLS voltage must match the voltage applied to the motor.

Shipped-Loose Accessories are found on page 36 • Alternative Housing, Coil Coating & Housing Coating options are available. Contact Application Engineering for coated housing or alternate coil coating. ElectroFin, Bronz-Glow and Heresite are available coating options.

CENTER MOUNT • LOW HEIGHT

ELECTRIC DEFROST CONFIGURABLE BASE MODELS

Dual Speed EC Motors - 230 V

No. of Fans	6 FPI		No. of Fans	4 FPI	
	Model No.	List Price (\$US)		Model No.	List Price (\$US)
1	RE6E037DDA	6,794	1	RE4E037DDA	6,794
	RE6E045DDA	9,146	2	RE4E075DDA	9,447
2	RE6E075DDA	9,447	3	RE4E107DDA	12,781
	RE6E089DDA	11,885	4	RE4E149DDA	16,089
3	RE6E108DDA	12,901	5	RE4E186DDA	18,201
	RE6E125DDA	13,055		RE4E234DDA	20,932
4	RE6E137DDA	15,688	EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed.		
	RE6E182DDA	16,601			
5	RE6E221DDA	19,774			
	RE6E278DDA	22,197			

ELECTRIC DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)							
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Pkg w/ Sporlan SER	LLSV <sup>2</sup>	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	792	2,546	3,275	574	584	876	267	3,610
2	792	2,546	3,275	574	584	876	336	3,610
3	792	2,546	3,275	574	584	876	407	3,900
4	792	2,546	3,275	574	584	876	477	4,170
5	792	2,546	3,275	574	584	876	549	5,000

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. LLS voltage must match the voltage applied to the motor.

Shipped-Loose Accessories are found on next page • Alternative Housing, Coil Coating & Housing Coating options are available. Contact Application Engineering for coated housing or alternate coil coating. ElectroFin, Bronz-Glow and Heresite are available coating options.

## CENTER MOUNT • LOW HEIGHT

**Shipped Loose Accessories****CONTROLS & THERMOSTATS**

Option Name	Option Description	List Price (\$US)
EcoNet® Command Center	EcoNet® Command Center for EcoNet® Enabled Unit Coolers	1,684
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	549
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	709

**VALVES**

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,964
	16 to 25 Tons	2,820
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	644
	4 to 9 Tons	917
	10 to 30 Tons	1,613
Liquid Line Solenoid Valve (LLSV)	1/2 thru 3 HP	543
	4 thru 8 HP	607
	9 thru 10 HP	881
	12 thru 15 HP	1,082
	22 HP	1,381

**HEAT EXCHANGERS**

Part No.	Model No.	Length (in)	Liquid Line (in)	Suction Line (in)	List Price (\$US)
HX-25	105065001	12	1/4	1/2	296
HX-50	105065003	13	3/8	5/8	347
HX-75	105065004	14	3/8	7/8	475
HX-100	105065005	14	3/8	1-1/8	605
HX-150	105065006	14	1/2	1-1/8	700

# CENTER MOUNT LOW VELOCITY

Small to Medium  
Cooler Applications

**BTUH**

Air Defrost 4,300 to 32,500

Electric Defrost 4,300 to 32,500



## MODEL NOMENCLATURE

<b>R</b>	<b>V</b>	<b>6</b>	<b>A</b>	<b>043</b>	<b>A</b>	<b>D</b>	<b>A</b>
Brand	Style	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
R = Russell	V = Low Velocity Center Mount	6 FPI 4 FPI	A = Air E = Electric	# x 100 = BTUH	A = 115/1/60 D = 230/1/60	D = Dual Speed EC	

## FEATURES & OPTIONS

● Standard ○ Optional

Dual Speed EC Motors	●
Extra low height — mounts flush to ceiling	●
Two-way air flow for even air circulation and consistent temperature	●
Electric Defrost models feature independently defrosted coils for optimal defrost performance	●
High efficiency fan guard design and deep draw venturi provide optimal air flow	●
Sloped housing for efficient condensate draining	●
Unique design allows for service in confined spaces	●
Lightweight and durable embossed aluminum housing	●
Coated aluminum fins	○
EcoNet® Enabled Unit Cooler controller (factory-installed)	○
EcoNet® Command Center (loose)	○

Continued on next page

# CENTER MOUNT LOW VELOCITY

Small to Medium  
Cooler Applications

**BTUH**

Air Defrost 4,300 to 32,500

Electric Defrost 4,300 to 32,500



FEATURES & OPTIONS	● Standard	○ Optional
Thermostat - Mechanical or Electric (mounted or loose)	<input checked="" type="radio"/>	<input type="radio"/>
Thermostatic Expansion Valve (mounted or loose)	<input checked="" type="radio"/>	<input type="radio"/>
Electronic Expansion Valve (mounted or loose)	<input checked="" type="radio"/>	<input type="radio"/>
Liquid Line Solenoid Available Loose for field installation	<input checked="" type="radio"/>	<input type="radio"/>
Insulated Drain Pan	<input checked="" type="radio"/>	<input type="radio"/>
Painted Cabinet (White or Black)	<input checked="" type="radio"/>	<input type="radio"/>
Stainless Steel Cabinet	<input checked="" type="radio"/>	<input type="radio"/>
Coated Coil (Russproof, Heresite, Bronz-Glow, or Electrofin®)	<input checked="" type="radio"/>	<input type="radio"/>
Heat Exchanger (loose)	<input checked="" type="radio"/>	<input type="radio"/>

CENTER MOUNT • LOW VELOCITY

CONFIGURABLE BASE MODELS

No. of Fans	Dual Speed EC Motors - 6 FPI					
	AIR DEFROST				ELECTRIC DEFROST	
	115 V		230 V		230 V	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RV6A043ADA	6,807	RV6A043DDA	7,077	RV6E043DDA	7,836
	RV6A053ADA	7,049	RV6A053DDA	7,332	RV6E053DDA	8,226
2	RV6A085ADA	8,210	RV6A085DDA	8,540	RV6E085DDA	9,622
	RV6A106ADA	10,069	RV6A106DDA	10,473	RV6E106DDA	11,638
3	RV6A129ADA	11,687	RV6A129DDA	12,156	RV6E129DDA	13,661
	RV6A158ADA	13,113	RV6A158DDA	13,641	RV6E158DDA	15,260
4	RV6A176ADA	15,981	RV6A176DDA	16,621	RV6E176DDA	18,690
	RV6A218ADA	18,072	RV6A218DDA	18,795	RV6E218DDA	21,016
5	RV6A271ADA	19,818	RV6A271DDA	20,612	RV6E271DDA	23,411

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed.

CONFIGURABLE OPTIONS ∞ AIR & ELECTRIC DEFROST

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)							
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Pkg w/ Sporlan SER	LLSV <sup>2</sup>	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	792	2,546	3,275	574	584	876	267	3,610
2	792	2,546	3,275	574	584	876	336	3,610
3	792	2,546	3,275	574	584	876	407	3,900
4	792	2,546	3,275	574	584	876	477	4,170
5	792	2,546	3,275	574	584	876	549	5,000

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. LLS voltage must match the voltage applied to the motor.

Shipped-Loose Accessories are found on next page • Alternative Housing, Coil Coating & Housing Coating options are available. Contact Application Engineering for coated housing or alternate coil coating. ElectroFin, Bronz-Glow and Heresite are available coating options.

## CENTER MOUNT • LOW VELOCITY

**Shipped Loose Accessories****CONTROLS & THERMOSTATS**

Option Name	Option Description	List Price (\$US)
EcoNet® Command Center	EcoNet® Command Center for EcoNet® Enabled Unit Coolers	1,684
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	549
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	709

**VALVES**

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,964
	16 to 25 Tons	2,820
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	644
	4 to 9 Tons	917
	10 to 30 Tons	1,613
Liquid Line Solenoid Valve (LLSV)	1/2 thru 3 HP	543
	4 thru 8 HP	607
	9 thru 10 HP	881
	12 thru 15 HP	1,082
	22 HP	1,381

**HEAT EXCHANGERS**

Part No.	Model No.	Length (in)	Liquid Line (in)	Suction Line (in)	List Price (\$US)
HX-25	105065001	12	1/4	1/2	296
HX-50	105065003	13	3/8	5/8	347
HX-75	105065004	14	3/8	7/8	475
HX-100	105065005	14	3/8	1-1/8	605
HX-150	105065006	14	1/2	1-1/8	700

# MEDIUM PROFILE

Medium to Large Cooler & Freezer Applications  
in boxes <3,000 sq. ft.

## BTUH

Air Defrost 4,100 to 45,900

Electric Defrost 2,700 to 33,000

Hot Gas Defrost 2,700 to 33,000



## MODEL NOMENCLATURE

R	M	6	E	153	A	D	A
Brand	Style	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
R = Russell	M = Medium Profile	6 FPI 4 FPI	A = Air D = Medium Temp Electric E = Low Temp Electric H = Hot Gas 3-Pipe G = Hot Gas Reverse Cycle	# x 100 = BTUH	A = 115/1/60 D = 230/1/60 E = 208-230/3/60 F = 460/1/60 G = 460/3/60	D = Dual Speed EC	

## FEATURES & OPTIONS

● Standard ○ Optional

Rail-mounted, energy-efficient Dual Speed EC motors that are compliant with California Title 24 regulations	●
Enhanced copper tube and aluminum fin coil construction	●
High efficiency fan and deep draw venturi for optimal air flow	●
Slide out end panels	●
Easily removable fan guards and modular fan panels	●
Hinged drain pan	●
Face mounted defrost heaters for optimal performance and easy service access	●
Embossed aluminum housing	●
Evaporators AWEF certified for Walk-In Coolers and Freezers in boxes less than 3,000 sq. ft.	●

Continued on next page

# MEDIUM PROFILE

Medium to Large Cooler & Freezer Applications  
in boxes <3,000 sq. ft.

## BTUH

Air Defrost 4,100 to 45,900

Electric Defrost 2,700 to 33,000

Hot Gas Defrost 2,700 to 33,000



FEATURES & OPTIONS	● Standard    ○ Optional
UL/cUL certified for use with multiple refrigerants	●
NSF approved for use in food preparation areas	●
Available as single through three fan models	●
EcoNet® Enabled Controller (factory installed)	○
EcoNet® Command Center (loose)	○
Thermostat - Mechanical or Electric (mounted or loose)	○
Thermostatic Expansion Valve (mounted or loose)	○
Electronic Expansion Valve (mounted or loose)	○
Liquid Line Solenoid Valve (mounted or loose)	○
Insulated Drain Pan	○
Painted Cabinet (White or Black)	○
Stainless Steel Cabinet	○
Coated Coil (Russproof, Heresite, Bronz-Glow, Electrofin®, or Finkote2)	○
Heat Exchanger (loose)	○

MEDIUM PROFILE

AIR DEFROST CONFIGURABLE BASE MODELS

No. of Fans	Dual Speed EC Motors - 6 FPI					
	115/1/60		208-230/1/60		460/1/60	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RM6A182ADA	11,220	RM6A182DDA	11,443	RM6A182FDA	12,118
	RM6A220ADA	13,537	RM6A220DDA	13,807	RM6A220FDA	14,622
2	RM6A276ADA	19,031	RM6A276DDA	19,413	RM6A276FDA	20,555
	RM6A370ADA	24,056	RM6A370DDA	24,537	RM6A370FDA	25,982
	RM6A442ADA	27,906	RM6A442DDA	28,465	RM6A442FDA	30,139
3	RM6A549ADA	33,865	RM6A549DDA	34,544	RM6A549FDA	36,574
	RM6A658ADA	35,675	RM6A658DDA	36,390	RM6A658FDA	38,527
4	RM6A730ADA	45,154	RM6A730DDA	46,059	RM6A730FDA	48,765
	RM6A875ADA	47,566	RM6A875DDA	48,520	RM6A875FDA	51,369

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed.

AIR DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Package	KE2 Evaporator Defrost Control Package	LLSV	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	792	2,546	4,545	12,622	1,140	584	876	822	3,700
2	1,489	2,546	4,545	12,622	1,140	584	876	1,354	5,800
3	1,489	2,546	4,545	12,622	1,418	584	876	1,812	8,700
4	1,489	2,546	4,545	12,622	1,418	584	876	2,269	11,580

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.

Shipped-Loose Accessories are found on page 50 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow, Electrofin, & Finkote2) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

MEDIUM PROFILE

MEDIUM TEMP ELECTRIC DEFROST CONFIGURABLE BASE MODELS

No. of Fans		Dual Speed EC Motors			
		208-230/1/60		208-230/3/60	
		Model No.	List Price (\$US)	Model No.	List Price (\$US)
6 FPI	1	RM6D181DDA	14,339	RM6D181EDA	14,480
		RM6D219DDA	18,728	RM6D219EDA	18,917
	2	RM6D275DDA	21,126	RM6D275EDA	21,340
		RM6D369DDA	23,523	RM6D369EDA	23,760
		RM6D441DDA	30,344	RM6D441EDA	30,650
	3	Not Available		RM6D548EDA	34,719
		Not Available		RM6D657EDA	38,048
	4	Not Available		RM6D729EDA	46,292
		Not Available		RM6D874EDA	50,731

No. of Fans		Dual Speed EC Motors			
		460/1/60		460/3/60	
		Model No.	List Price (\$US)	Model No.	List Price (\$US)
6 FPI	1	RM6D181FDA	15,495	RM6D181GDA	15,642
		RM6D219FDA	20,241	RM6D219GDA	20,430
	2	RM6D275FDA	22,831	RM6D275GDA	23,047
		RM6D369FDA	25,422	RM6D369GDA	25,661
		RM6D441FDA	32,794	RM6D441GDA	33,099
	3	RM6D548FDA	37,150	RM6D548GDA	37,496
		RM6D657FDA	40,712	RM6D657GDA	41,094
	4	RM6D729FDA	49,534	RM6D729GDA	49,995
		RM6D874FDA	54,282	RM6D874GDA	54,792

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed.

MEDIUM PROFILE

LOW TEMP ELECTRIC DEFROST CONFIGURABLE BASE MODELS

No. of Fans		Dual Speed EC Motors				
		208-230/1/60		208-230/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RM6E153DDA	14,339	RM6E153EDA	14,480	
		RM6E184DDA	18,728	RM6E184EDA	18,917	
	2	RM6E311DDA	23,523	RM6E311EDA	23,760	
		RM6E374DDA	30,344	RM6E374EDA	30,650	
	3	Not Available		RM6E469EDA	34,719	
		Not Available		RM6E564EDA	38,048	
	4	Not Available		RM6E624EDA	46,292	
		Not Available		RM6E750EDA	50,731	
	4 FPI	1	RM4E110DDA	13,765	RM4E110EDA	13,903
			RM4E143DDA	17,980	RM4E143EDA	18,162
2		RM4E232DDA	22,584	RM4E232EDA	22,811	
		RM4E288DDA	29,129	RM4E288EDA	29,424	
3		Not Available		RM4E336EDA	33,333	
		Not Available		RM4E419EDA	36,531	
4		Not Available		RM4E447EDA	44,443	
		Not Available		RM4E557EDA	48,708	

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed.

## MEDIUM PROFILE

## LOW TEMP ELECTRIC DEFROST CONFIGURABLE BASE MODELS

No. of Fans		Dual Speed EC Motors			
		460/1/60		460/3/60	
		Model No.	List Price (\$US)	Model No.	List Price (\$US)
6 FPI	1	RM6E153FDA	15,495	RM6E153GDA	15,642
		RM6E184FDA	20,241	RM6E184GDA	20,430
	2	RM6E311FDA	25,422	RM6E311GDA	25,661
		RM6E374FDA	32,794	RM6E374GDA	33,099
	3	RM6E469FDA	37,150	RM6E469GDA	37,496
		RM6E564FDA	40,712	RM6E564GDA	41,094
	4	RM6E624FDA	49,534	RM6E624GDA	49,995
		RM6E750FDA	54,282	RM6E750GDA	54,792
4 FPI	1	RM4E110FDA	14,877	RM4E110GDA	15,014
		RM4E143FDA	19,433	RM4E143GDA	19,613
	2	RM4E232FDA	24,408	RM4E232GDA	24,635
		RM4E288FDA	31,483	RM4E288GDA	31,777
	3	RM4E336FDA	35,666	RM4E336GDA	36,000
		RM4E419FDA	39,084	RM4E419GDA	39,452
	4	RM4E447FDA	47,554	RM4E447GDA	47,999
		RM4E557FDA	52,113	RM4E557GDA	52,603

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed.

## MEDIUM PROFILE

## ELECTRIC DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)									
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Package	KE2 Control Package <sup>2</sup>	LLSV	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch	Insulated Drain Pan	Finkote2 Coating
1	792	2,546	4,545	12,622	1,140	584	876	603	822	3,700
2	1,489	2,546	4,545	12,622	1,140	584	876	603	1,354	5,800
3	1,489	2,546	4,545	12,622	1,418	584	876	603	1,812	8,700
4	1,489	2,546	4,545	12,622	1,418	584	876	603	2,269	11,580

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. KE2 Evaporator Control Package includes KE2 OEM control board, Liquid Line Solenoid Valve (LLSV) and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 50 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

Adjustable Defrost Control/ Fan Delay Switch is standard on Medium Temp Electric Defrost "D" models.

MEDIUM PROFILE

HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE BASE MODELS

No. of Fans		Dual Speed EC Motors			
		208-230/1/60		460/1/60	
		Model No.	List Price (\$US)	Model No.	List Price (\$US)
6 FPI	1	RM6G153DDA	20,150	RM6G153FDA	21,778
		RM6G184DDA	21,032	RM6G184FDA	22,730
	2	RM6G311DDA	29,655	RM6G311FDA	32,051
		RM6G374DDA	31,575	RM6G374FDA	34,127
	3	RM6G469DDA	39,108	RM6G469FDA	42,268
		RM6G564DDA	42,383	RM6G564FDA	45,811
	4	RM6G624DDA	52,144	RM6G624FDA	56,357
		RM6G750DDA	56,511	RM6G750FDA	61,082
4 FPI	1	RM4G110DDA	19,344	RM4G110FDA	20,909
		RM4G143DDA	20,190	RM4G143FDA	21,820
	2	RM4G232DDA	28,469	RM4G232FDA	30,770
		RM4G288DDA	30,315	RM4G288FDA	32,762
	3	RM4G336DDA	37,544	RM4G336FDA	40,575
		RM4G419DDA	40,690	RM4G419FDA	43,978
	4	RM4G447DDA	50,058	RM4G447FDA	54,100
		RM4G557DDA	54,253	RM4G557FDA	58,637

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Hot Gas Defrost models feature an Electric Drain Pan Heater.

HOT GAS REVERSE CYCLE CONFIGURABLE DEFROST OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV, LLSV & Check Valve <sup>1</sup>	EEV <sup>2</sup>	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>3</sup>	Insulated Drain Pan	Finkote2 Coating
1	2,336	2,546	584	876	603	822	3,700
2	3,033	2,546	584	876	603	1,354	5,800
3	3,311	2,546	584	876	603	1,812	8,700
4	3,311	2,546	584	876	603	2,269	11,580

Shipped-Loose Accessories are found on page 50 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

1. All Hot Gas Reverse Cycle Unit Coolers require a TXV, LLSV and Check Valve or an EEV.
2. Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
3. Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

MEDIUM PROFILE

HOT GAS DEFROST // 3-PIPE CONFIGURABLE BASE MODELS

No. of Fans		Dual Speed EC Motors			
		208-230/1/60		460/1/60	
		Model No.	List Price (\$US)	Model No.	List Price (\$US)
6 FPI	1	RM6H153DDA	20,150	RM6H153FDA	21,778
		RM6H184DDA	21,032	RM6H184FDA	22,730
	2	RM6H311DDA	29,655	RM6H311FDA	32,051
		RM6H374DDA	31,575	RM6H374FDA	34,127
	3	RM6H469DDA	39,108	RM6H469FDA	42,268
		RM6H564DDA	42,383	RM6H564FDA	45,811
	4	RM6H624DDA	52,144	RM6H624FDA	56,357
		RM6H750DDA	56,511	RM6H750FDA	61,082
4 FPI	1	RM4H110DDA	19,344	RM4H110FDA	20,909
		RM4H143DDA	20,190	RM4H143FDA	21,820
	2	RM4H232DDA	28,469	RM4H232FDA	30,770
		RM4H288DDA	30,315	RM4H288FDA	32,762
	3	RM4H336DDA	37,544	RM4H336FDA	40,575
		RM4H419DDA	40,690	RM4H419FDA	43,978
	4	RM4H447DDA	50,058	RM4H447FDA	54,100
		RM4H557DDA	54,253	RM4H557FDA	58,637

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Hot Gas Defrost models feature an Electric Drain Pan Heater.

HOT GAS 3-PIPE CONFIGURABLE DEFROST OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV <sup>1</sup>	EEV <sup>2</sup>	LLSV	Check Valve	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>3</sup>	Insulated Drain Pan	Finkote2 Coating
1	792	2,546	1,140	404	584	876	603	822	3,700
2	1,489	2,546	1,140	404	584	876	603	1,354	5,800
3	1,489	2,546	1,418	404	584	876	603	1,812	8,700
4	1,489	2,546	1,418	404	584	876	603	2,269	11,580

Shipped-Loose Accessories are found on page 50 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

1. All Hot Gas 3-Pipe Unit Coolers require a TXV or an EEV
2. Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
3. Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

## MEDIUM PROFILE

**Shipped Loose Accessories****CONTROLS & THERMOSTATS**

Option Name	Option Description	List Price (\$US)
EcoNet® Command Center	EcoNet® Command Center for EcoNet® Enabled Unit Coolers	1,684
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	549
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	709

**VALVES**

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,964
	16 to 25 Tons	2,820
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	644
	4 to 9 Tons	917
	10 to 30 Tons	1,613
Liquid Line Solenoid Valve (LLSV)	1/2 thru 3 HP	543
	4 thru 8 HP	607
	9 thru 10 HP	881
	12 thru 15 HP	1,082
	22 HP	1,381

**HEAT EXCHANGERS**

Part No.	Model No.	Length (in)	Liquid Line (in)	Suction Line (in)	List Price (\$US)
HX-25	105065001	12	1/4	1/2	296
HX-50	105065003	13	3/8	5/8	347
HX-75	105065004	14	3/8	7/8	475
HX-100	105065005	14	3/8	1-1/8	605
HX-150	105065006	14	1/2	1-1/8	700
HX-250	105065007	14	5/8	1-3/8	926
HX-350	105065008	16	5/8	1-5/8	953

# HEAVY DUTY

Medium to Large Cooler & Freezer Applications  
in boxes <3,000 sq. ft.

**BTUH**

Air Defrost 31,200 to 253,100

Electric Defrost 33,100 to 227,400

Hot Gas Defrost 33,100 to 227,400



## MODEL NOMENCLATURE

R	H	6	E	109	D	D	A
Brand	Style	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
R = Russell	H = Heavy Duty Y = Reverse Connections	6 FPI 4 FPI	A = Air D = Medium Temp Electric E = Low Temp Electric H = Hot Gas 3-Pipe K = Hot Gas 3-Pipe + Hot Gas Drain Pan G = Hot Gas Reverse + Electric Drain Pan L = Hot Gas Reverse + Hot Gas Drain Pan	# x 1,000 = BTUH	D = 230/1/60 E = 208-230/3/60 F = 460/1/60 G = 460/3/60	D = Dual Speed EC	

## FEATURES & OPTIONS

● Standard ○ Optional

Rail-mounted, energy-efficient dual speed EC motors	●
Enhanced copper tube and aluminum fin coil construction	●
High efficiency deep draw venturi for optimal air flow	●
Slide out end panels	●
Easily removable fan guards and modular fan panels	●
Hinged drain pan	●
Face mounted defrost heaters for optimal performance and easy service access	●

Continued on next page

# HEAVY DUTY

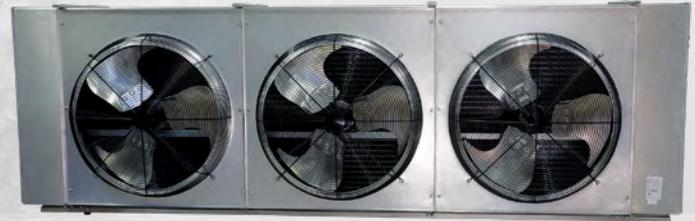
Medium to Large Cooler & Freezer Applications  
in boxes <3,000 sq. ft.

**BTUH**

Air Defrost 31,200 to 253,100

Electric Defrost 33,100 to 227,400

Hot Gas Defrost 33,100 to 227,400



## FEATURES & OPTIONS

● Standard ○ Optional

Embossed aluminum housing	●
Available as single through four fan models	●
EcoNet® Enabled Controller (factory-installed)	○
EcoNet® Command Center (loose)	○
Reverse Connections	○
Thermostat - Mechanical or Electric (mounted or loose)	○
Thermostatic Expansion Valve (mounted or loose)	○
Electronic Expansion Valve (mounted or loose)	○
Liquid Line Solenoid Valve (mounted or loose)	○
Insulated Drain Pan	○
Painted Cabinet (White or Black)	○
Stainless Steel Cabinet	○
Coated Coil (Bronz-Glow, or Electrofin®)	○
Suction/Liquid Heat Exchanger (loose)	○

HEAVY DUTY

AIR DEFROST CONFIGURABLE BASE MODELS

No. of Fans	Dual Speed EC Motors - 6 FPI			
	208-230/1/60		460/1/60	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RH6A031DDA	27,876	RH6A031FDA	28,433
	RH6A043DDA	30,620	RH6A043FDA	31,233
	RH6A052DDA	32,094	RH6A052FDA	32,733
2	RH6A063DDA	35,763	RH6A063FDA	36,480
	RH6A087DDA	46,789	RH6A087FDA	47,725
	RH6A105DDA	52,510	RH6A105FDA	53,561
3	RH6A132DDA	56,052	RH6A132FDA	57,173
	RH6A156DDA	75,100	RH6A156FDA	76,604
4	RH6A175DDA	87,198	RH6A175FDA	88,943
	RH6A209DDA	97,006	RH6A209FDA	98,950

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed.

AIR DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Package <sup>2</sup>	KE2 Evaporator Defrost Control Package <sup>3</sup>	LLSV	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	8,793	12,622	1,140	584	876	1,212	5,300
2	2,271	2,546	8,793	12,622	1,418	584	876	1,612	8,700
3	2,271	3,516	8,793	13,621	1,418	584	876	2,074	12,900
4	2,271	3,516	8,793	13,840	1,630	584	876	2,383	16,600

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. Heavy Duty Unit Coolers with EcoNet® will also have a Thru-the-Door Disconnect
3. KE2 Evaporator Control Package includes KE2 OEM control board, Liquid Line Solenoid Valve (LLSV) and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 62 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

HEAVY DUTY

MEDIUM TEMP ELECTRIC DEFROST CONFIGURABLE BASE MODELS

No. of Fans		Dual Speed EC Motors			
		208-230/3/60		460/3/60	
		Model No.	List Price (\$US)	Model No.	List Price (\$US)
6 FPI	1	RH6D030EDA	31,667	RH6D030GDA	32,303
		RH6D042EDA	37,810	RH6D042GDA	38,565
		RH6D051EDA	40,882	RH6D051GDA	41,699
	2	RH6D062EDA	49,205	RH6D062GDA	50,190
		RH6D086EDA	63,168	RH6D086GDA	64,430
		RH6D104EDA	75,307	RH6D104GDA	76,813
	3	RH6D130EDA	83,498	RH6D130GDA	85,171
		RH6D155EDA	109,421	RH6D155GDA	111,612
	4	RH6D174EDA	117,530	RH6D174GDA	119,883
		RH6D208EDA	125,640	RH6D208GDA	128,155

ELECTRIC DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Package <sup>2</sup>	KE2 Evaporator Defrost Control Package <sup>3</sup>	LLSV	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	8,793	12,622	1,140	584	876	1,212	5,300
2	2,271	2,546	8,793	12,622	1,418	584	876	1,612	8,700
3	2,271	3,516	8,793	13,621	1,418	584	876	2,074	12,900
4	2,271	3,516	8,793	13,840	1,630	584	876	2,383	16,600

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. Heavy Duty Unit Coolers with EcoNet® will also have a Thru-the-Door Disconnect
3. KE2 Evaporator Control Package includes KE2 OEM control board, Liquid Line Solenoid Valve (LLSV) and Electronic Expansion Valve (EEV).

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Shipped-Loose Accessories are found on page 62 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options. • Adjustable Defrost Control/ Fan Delay Switch is standard on Medium Temp Electric Defrost "D" models.

HEAVY DUTY

LOW TEMP ELECTRIC DEFROST CONFIGURABLE BASE MODELS

No. of Fans		Dual Speed EC Motors				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RH6E033EDA	31,667	RH6E033GDA	32,303	
		RH6E044EDA	37,810	RH6E044GDA	38,565	
		RH6E053EDA	40,882	RH6E053GDA	41,699	
	2	RH6E066EDA	49,205	RH6E066GDA	50,190	
		RH6E089EDA	63,168	RH6E089GDA	64,430	
		RH6E109EDA	75,307	RH6E109GDA	76,813	
	3	RH6E134EDA	83,498	RH6E134GDA	85,171	
		RH6E163EDA	109,421	RH6E163GDA	111,612	
	4	RH6E199EDA	125,640	RH6E199GDA	128,155	
	4 FPI	1	RH4E035EDA	36,297	RH4E035GDA	37,022
			RH4E044EDA	39,243	RH4E044GDA	40,030
		2	RH4E071EDA	60,642	RH4E071GDA	61,853
RH4E087EDA			72,295	RH4E087GDA	73,740	
3		RH4E107EDA	80,161	RH4E107GDA	81,759	
		RH4E131EDA	105,044	RH4E131GDA	107,143	
4		RH4E167EDA	120,615	RH4E167GDA	123,024	

ELECTRIC DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Package <sup>2</sup>	KE2 Evaporator Defrost Control Package <sup>3</sup>	LLSV	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	8,793	12,622	1,140	584	876	1,212	5,300
2	2,271	2,546	8,793	12,622	1,418	584	876	1,612	8,700
3	2,271	3,516	8,793	13,621	1,418	584	876	2,074	12,900
4	2,271	3,516	8,793	13,840	1,630	584	876	2,383	16,600

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. Heavy Duty Unit Coolers with EcoNet® will also have a Thru-the-Door Disconnect
3. KE2 Evaporator Control Package includes KE2 OEM control board, Liquid Line Solenoid Valve (LLSV) and Electronic Expansion Valve (EEV).

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Shipped-Loose Accessories are found on page 62 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options. • Adjustable Defrost Control/ Fan Delay Switch is standard on Medium Temp Electric Defrost "D" models.

HEAVY DUTY

HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE BASE MODELS

No. of Fans		Dual Speed EC Motors // Electric Drain Pan Heater				
		208-230/1/60		460/1/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RH6G033DDA	31,349	RH6G033FDA	31,979	
		RH6G044DDA	37,431	RH6G044FDA	38,181	
		RH6G053DDA	40,472	RH6G053FDA	41,281	
	2	RH6G066DDA	48,712	RH6G066FDA	49,687	
		RH6G089DDA	62,534	RH6G089FDA	63,785	
		RH6G109DDA	74,553	RH6G109FDA	76,044	
	3	RH6G134DDA	82,666	RH6G134FDA	84,319	
		RH6G163DDA	108,326	RH6G163FDA	110,492	
	4	RH6G199DDA	124,384	RH6G199FDA	126,868	
	4 FPI	1	RH4G035DDA	35,934	RH4G035FDA	36,654
			RH4G044DDA	38,852	RH4G044FDA	39,628
		2	RH4G071DDA	60,035	RH4G071FDA	61,235
RH4G087DDA			71,569	RH4G087FDA	73,002	
3		RH4G107DDA	79,356	RH4G107FDA	80,943	
		RH4G131DDA	103,991	RH4G131FDA	106,072	
4		RH4G167DDA	119,406	RH4G167FDA	121,796	

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Hot Gas Defrost models feature an Electric Drain Pan Heater.

All **Hot Gas Reverse Cycle** Unit Coolers require a TXV/LLSV/Check Valve or an EEV

HEAVY DUTY

HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE BASE MODELS

No. of Fans		Dual Speed EC Motors // Hot Gas Drain Pan Heater				
		208-230/1/60		460/1/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RH6L033DDA	31,822	RH6L033FDA	32,458	
		RH6L044DDA	37,993	RH6L044FDA	38,755	
		RH6L053DDA	41,083	RH6L053FDA	41,903	
	2	RH6L066DDA	49,444	RH6L066FDA	50,433	
		RH6L089DDA	63,475	RH6L089FDA	64,743	
		RH6L109DDA	75,670	RH6L109FDA	77,184	
	3	RH6L134DDA	83,905	RH6L134FDA	85,584	
		RH6L163DDA	109,950	RH6L163FDA	112,149	
	4	RH6L199DDA	126,248	RH6L199FDA	128,772	
	4 FPI	1	RH4L035DDA	36,473	RH4L035FDA	37,204
			RH4L044DDA	39,436	RH4L044FDA	40,226
		2	RH4L071DDA	60,937	RH4L071FDA	62,151
RH4L087DDA			72,643	RH4L087FDA	74,097	
3		RH4L107DDA	80,550	RH4L107FDA	82,157	
		RH4L131DDA	105,552	RH4L131FDA	107,663	
4		RH4L167DDA	121,200	RH4L167FDA	123,624	

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Hot Gas Defrost models feature an Electric Drain Pan Heater.

All **Hot Gas Reverse Cycle** Unit Coolers require a TXV/LLSV/Check Valve or an EEV

## HEAVY DUTY

## HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV, LLSV & Check Valve <sup>1</sup>	EEV <sup>2</sup>	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>3</sup>	Insulated Drain Pan	Finkote2 Coating
1	3,033	2,546	584	876	603	1,212	5,300
2	4,093	2,546	584	876	603	1,612	8,700
3	4,305	3,516	584	876	603	2,074	12,900
4	4,305	3,516	584	876	603	2,383	16,600

1. All Hot Gas Reverse Cycle Unit Coolers require a TXV, LLSV and Check Valve or an EEV.
2. Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
3. Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

Shipped-Loose Accessories are found on page 62 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

HEAVY DUTY

HOT GAS DEFROST // 3-PIPE CYCLE CONFIGURABLE BASE MODELS

No. of Fans		Dual Speed EC Motors // Electric Drain Pan Heater				
		208-230/1/60		460/1/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RH6H033DDA	31,349	RH6H033FDA	31,979	
		RH6H044DDA	37,431	RH6H044FDA	38,181	
		RH6H053DDA	40,472	RH6H053FDA	41,281	
	2	RH6H066DDA	48,712	RH6H066FDA	49,687	
		RH6H089DDA	62,534	RH6H089FDA	63,785	
		RH6H109DDA	74,553	RH6H109FDA	76,044	
	3	RH6H134DDA	82,666	RH6H134FDA	84,319	
		RH6H163DDA	108,326	RH6H163FDA	110,492	
	4	RH6H199DDA	124,384	RH6H199FDA	126,868	
	4 FPI	1	RH4H035DDA	35,934	RH4H035FDA	36,654
			RH4H044DDA	38,852	RH4H044FDA	39,628
		2	RH4H071DDA	60,035	RH4H071FDA	61,235
RH4H087DDA			71,569	RH4H087FDA	73,002	
3		RH4H107DDA	79,356	RH4H107FDA	80,943	
		RH4H131DDA	103,991	RH4H131FDA	106,072	
4		RH4H167DDA	119,406	RH4H167FDA	121,796	

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Hot Gas Defrost models feature an Electric Drain Pan Heater.

**All Hot Gas Defrost 3-Pipe** Unit Coolers  
require a TXV or an EEV

## HEAVY DUTY

## HOT GAS DEFROST // 3-PIPE CYCLE CONFIGURABLE BASE MODELS

No. of Fans		Dual Speed EC Motors // Hot Gas Drain Pan Heater				
		208-230/1/60		460/1/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RH6K033DDA	31,822	RH6K033FDA	32,458	
		RH6K044DDA	37,993	RH6K044FDA	38,755	
		RH6K053DDA	41,083	RH6K053FDA	41,903	
	2	RH6K066DDA	49,444	RH6K066FDA	50,433	
		RH6K089DDA	63,475	RH6K089FDA	64,743	
		RH6K109DDA	75,670	RH6K109FDA	77,184	
	3	RH6K134DDA	83,905	RH6K134FDA	85,584	
		RH6K163DDA	109,950	RH6K163FDA	112,149	
	4	RH6K199DDA	126,248	RH6K199FDA	128,772	
	4 FPI	1	RH4K035DDA	36,473	RH4K035FDA	37,204
			RH4K044DDA	39,436	RH4K044FDA	40,226
		2	RH4K071DDA	60,937	RH4K071FDA	62,151
RH4K087DDA			72,643	RH4K087FDA	74,097	
3		RH4K107DDA	80,550	RH4K107FDA	82,157	
		RH4K131DDA	105,552	RH4K131FDA	107,663	
4		RH4K167DDA	121,200	RH4K167FDA	123,624	

EC motors are rated for 50Hz operations. Dual speed EC motors are compliant with California Title 24 regulations. Dual speed motor operation employs a relay to control motor speed. • Hot Gas Defrost models feature an Electric Drain Pan Heater.

All **Hot Gas Defrost 3-Pipe** Unit Coolers  
require a TXV or an EEV

## HEAVY DUTY

## HOT GAS DEFROST // 3-PIPE CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV	EEV <sup>1</sup>	LLSV	Check Valve	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>2</sup>	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	1,140	404	584	876	603	1,212	5,300
2	2,271	2,546	1,418	404	584	876	603	1,612	8,700
3	2,271	3,516	1,630	404	584	876	603	2,074	12,900
4	2,271	3,516	1,630	404	584	876	603	2,383	16,600

1. Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
2. Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

Shipped-Loose Accessories are found on next page • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

All Hot Gas 3-Pipe Unit Coolers require a TXV or an EEV

## HEAVY DUTY

**Shipped Loose Accessories****CONTROLS & THERMOSTATS**

Option Name	Option Description	List Price (\$US)
EcoNet® Command Center	EcoNet® Command Center for EcoNet® Enabled Unit Coolers	1,684
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	549
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	709

**VALVES**

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,964
	16 to 25 Tons	2,820
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	644
	4 to 9 Tons	917
	10 to 30 Tons	1,613
Liquid Line Solenoid Valve (LLSV)	1/2 thru 3 HP	543
	4 thru 8 HP	607
	9 thru 10 HP	881
	12 thru 15 HP	1,082
	22 HP	1,381

**HEAT EXCHANGERS**

Part No.	Model No.	Length (in)	Liquid Line (in)	Suction Line (in)	List Price (\$US)
HX-25	105065001	12	1/4	1/2	296
HX-50	105065003	13	3/8	5/8	347
HX-75	105065004	14	3/8	7/8	475
HX-100	105065005	14	3/8	1-1/8	605
HX-150	105065006	14	1/2	1-1/8	700
HX-250	105065007	14	5/8	1-3/8	926
HX-350	105065008	16	5/8	1-5/8	953
HX-500	105065009	17	7/8	2-1/8	1,512
LHX-15	105065010	30	7/8	2-1/8	4,149
LHX-20	105065011	30	1-1/8	2-1/8	4,437
LHX-25	105065012	30	1-1/8	2-5/8	4,752

# WAREHOUSE

Medium to Large Cooler & Freezer Applications  
in boxes >3,000 sq. ft.

**BTUH**

Air Defrost 34,500 - 282,500  
Electric Defrost 36,400 - 246,100  
Hot Gas Defrost 36,400 - 246,100



## MODEL NOMENCLATURE

R	W	6	E	143	E	T	A
Brand	Style	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
R = Russell	W = Warehouse  Z = Reverse Connections	6 FPI  4 FPI	A = Air  D = Medium Temp Electric  E = Low Temp Electric  H = Hot Gas 3-Pipe + Electric Drain Pan  K = Hot Gas 3-Pipe + Hot Gas Drain Pan  G = Hot Gas Reverse + Electric Drain Pan  L = Hot Gas Reverse + Hot Gas Drain Pan	# x 100 = BTUH	E = 208-230/3/60  G = 460/3/60	T = 3 Phase  H = 3 Phase + High-Static (Pressure Prop) Fan Blades	

## FEATURES & OPTIONS

● Standard ○ Optional

Rail-mount three-phase motors with standard or high-static pressure prop fan blades	●
Enhanced copper tube and aluminum fin coil construction	●
High efficiency deep draw venturi for optimal air flow	●
Slide out end panels	●
Easily removable fan guards and modular fan panels	●
Hinged drain pan	●
Face mounted defrost heaters for optimal performance and easy service access	●

Continued on next page

# WAREHOUSE

Medium to Large Cooler & Freezer Applications  
in boxes >3,000 sq. ft.

**BTUH**

- Air Defrost 34,500 - 282,500
- Electric Defrost 36,400 - 246,100
- Hot Gas Defrost 36,400 - 246,100



## FEATURES & OPTIONS

● Standard ○ Optional

Embossed aluminum housing	●
Available as single through four fan models	●
EcoNet® Enabled Controller (factory-installed) (EcoNet® not available on Hot Gas Evaporators)	○ Not Available
EcoNet® Command Center (loose)	○
Reverse Connections	○
Thermostat - Mechanical or Electric (mounted or loose)	○
Thermostatic Expansion Valve (mounted or loose)	○
Electronic Expansion Valve (mounted or loose)	○
Liquid Line Solenoid Valve (mounted or loose)	○
Insulated Drain Pan	○
Painted Cabinet (White or Black)	○
Stainless Steel Cabinet	○
Coated Coil (Bronz-Glow, or Electrofin®)	○
Heat Exchanger (loose)	○

## WAREHOUSE

## AIR DEFROST CONFIGURABLE BASE MODELS

No. of Fans	Three-Phase Motor // Standard Fan // 6 FPI			
	208-230/3/60		460/3/60	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	RW6A034ETA	20,649	RW6A034GTA	21,064
	RW6A047ETA	22,681	RW6A047GTA	23,134
	RW6A058ETA	23,769	RW6A058GTA	24,244
2	RW6A069ETA	26,490	RW6A069GTA	27,020
	RW6A094ETA	37,432	RW6A094GTA	38,181
	RW6A117ETA	42,008	RW6A117GTA	42,849
3	RW6A143ETA	44,842	RW6A143GTA	45,738
	RW6A176ETA	60,082	RW6A176GTA	61,285
4	RW6A190ETA	69,758	RW6A190GTA	71,155
	RW6A234ETA	77,605	RW6A234GTA	79,158

## AIR DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Package <sup>2</sup>	KE2 Evaporator Defrost Control Package <sup>3</sup>	LLSV	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	8,793	12,622	1,140	584	876	1,212	5,300
2	2,271	2,546	8,793	12,622	1,418	584	876	1,612	8,700
3	2,271	3,516	8,793	13,621	1,418	584	876	2,074	12,900
4	2,271	3,516	8,793	13,840	1,630	584	876	2,383	16,600

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. Warehouse Unit Coolers with EcoNet® will also have a Thru-the-Door Disconnect
3. KE2 Evaporator Control Package includes KE2 OEM control board, Liquid Line Solenoid Valve (LLSV) and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 77 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

## WAREHOUSE

## LOW TEMP ELECTRIC DEFROST CONFIGURABLE BASE MODELS

No. of Fans		Three-Phase Motor // Standard Fan				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6FPI	1	RW6E036ETA	23,460	RW6E036GTA	23,926	
		RW6E047ETA	28,009	RW6E047GTA	28,567	
		RW6E059ETA	30,282	RW6E059GTA	30,888	
	2	RW6E072ETA	41,003	RW6E072GTA	41,823	
		RW6E096ETA	52,641	RW6E096GTA	53,693	
		RW6E120ETA	62,757	RW6E120GTA	64,011	
	3	RW6E143ETA	69,583	RW6E143GTA	70,977	
		RW6E179ETA	95,149	RW6E179GTA	97,050	
	4	RW6E216ETA	109,251	RW6E216GTA	111,438	
	4FPI	1	RW4E038ETA	26,886	RW4E038GTA	27,424
			RW4E048ETA	29,071	RW4E048GTA	29,654
		2	RW4E077ETA	50,535	RW4E077GTA	51,546
RW4E097ETA			60,246	RW4E097GTA	61,449	
3		RW4E115ETA	66,801	RW4E115GTA	68,137	
		RW4E145ETA	91,343	RW4E145GTA	93,170	
4		RW4E182ETA	104,881	RW4E182GTA	106,979	

## ELECTRIC DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Package <sup>2</sup>	KE2 Evaporator Defrost Control Package <sup>3</sup>	LLSV	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	8,793	12,622	1,140	584	876	1,212	5,300
2	2,271	2,546	8,793	12,622	1,418	584	876	1,612	8,700
3	2,271	3,516	8,793	13,621	1,418	584	876	2,074	12,900
4	2,271	3,516	8,793	13,840	1,630	584	876	2,383	16,600

1. Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
2. Warehouse Unit Coolers with EcoNet® will also have a Thru-the-Door Disconnect
3. KE2 Evaporator Control Package includes KE2 OEM control board, Liquid Line Solenoid Valve (LLSV) and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 77 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

## WAREHOUSE

## MEDIUM TEMP ELECTRIC DEFROST CONFIGURABLE BASE MODELS

No. of Fans		Three-Phase Motor // Standard Fan				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RW6D033ETA	23,460	RW6D033GTA	23,926	
		RW6D046ETA	28,009	RW6D046GTA	28,567	
		RW6D057ETA	30,282	RW6D057GTA	30,888	
	2	RW6D068ETA	41,003	RW6D068GTA	41,823	
		RW6D093ETA	52,641	RW6D093GTA	53,693	
		RW6D116ETA	62,757	RW6D116GTA	64,011	
	3	RW6D142ETA	69,583	RW6D142GTA	70,977	
		RW6D175ETA	95,149	RW6D175GTA	97,050	
	4	RW6D189ETA	102,200	RW6D189GTA	104,244	
		RW6D233ETA	109,251	RW6D233GTA	111,438	
	4 FPI	1	RW4D029ETA	22,520	RW4D029GTA	22,967
			RW4D041ETA	26,886	RW4D041GTA	27,422
RW4D050ETA			29,067	RW4D050GTA	29,651	
2		RW4D060ETA	39,360	RW4D060GTA	40,146	
		RW4D082ETA	50,531	RW4D082GTA	51,540	
		RW4D103ETA	60,241	RW4D103GTA	61,446	
3		RW4D126ETA	66,793	RW4D126GTA	68,131	
		RW4D155ETA	91,333	RW4D155GTA	93,159	
4		RW4D167ETA	98,102	RW4D167GTA	100,065	
		RW4D206ETA	104,869	RW4D206GTA	106,970	

## ELECTRIC DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Package <sup>2</sup>	KE2 Evaporator Defrost Control Package <sup>3</sup>	LLSV	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	8,793	12,622	1,140	584	876	1,212	5,300
2	2,271	2,546	8,793	12,622	1,418	584	876	1,612	8,700
3	2,271	3,516	8,793	13,621	1,418	584	876	2,074	12,900
4	2,271	3,516	8,793	13,840	1,630	584	876	2,383	16,600

See notes on previous page.

## WAREHOUSE

## ELECTRIC DEFROST CONFIGURABLE BASE MODELS

No. of Fans		Three-Phase Motor // High-Static Fan				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RW6E036EHA	26,038	RW6E036GHA	26,561	
		RW6E047EHA	31,087	RW6E047GHA	31,710	
		RW6E059EHA	33,615	RW6E059GHA	34,286	
	2	RW6E072EHA	45,515	RW6E072GHA	46,422	
		RW6E096EHA	58,431	RW6E096GHA	59,600	
		RW6E120EHA	69,659	RW6E120GHA	71,052	
	3	RW6E143EHA	77,238	RW6E143GHA	78,784	
		RW6E179EHA	105,612	RW6E179GHA	107,726	
	4	RW6E216EHA	121,269	RW6E216GHA	123,693	
	4 FPI	1	RW4E038EHA	29,842	RW4E038GHA	30,439
			RW4E048EHA	32,269	RW4E048GHA	32,914
		2	RW4E077EHA	56,096	RW4E077GHA	57,215
RW4E097EHA			66,873	RW4E097GHA	68,209	
3		RW4E115EHA	74,148	RW4E115GHA	75,630	
		RW4E145EHA	101,388	RW4E145GHA	103,417	
4		RW4E182EHA	116,417	RW4E182GHA	118,747	

## ELECTRIC DEFROST CONFIGURABLE OPTIONS

EcoNet® 1.0 Control Package **no longer available**

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV	EEV <sup>1</sup>	EcoNet® 2.0 Control Package <sup>2</sup>	KE2 Evaporator Defrost Control Package <sup>3</sup>	LLSV	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	8,793	12,622	1,140	584	876	1,212	5,300
2	2,271	2,546	8,793	12,622	1,418	584	876	1,612	8,700
3	2,271	3,516	8,793	13,621	1,418	584	876	2,074	12,900
4	2,271	3,516	8,793	13,840	1,630	584	876	2,383	16,600

- Price Adder is for Electronic Expansion Valve (EEV) only. Controller not included and must be field supplied.
- Warehouse Unit Coolers with EcoNet® will also have a Thru-the-Door Disconnect
- KE2 Evaporator Control Package includes KE2 OEM control board, Liquid Line Solenoid Valve (LLSV) and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 77 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

## WAREHOUSE

## HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE BASE MODELS

No. of Fans		Three-Phase Motor // Standard Fan // Electric Drain Pan Heater				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RW6G036ETA	23,224	RW6G036GTA	23,687	
		RW6G047ETA	27,728	RW6G047GTA	28,282	
		RW6G059ETA	29,977	RW6G059GTA	30,579	
	2	RW6G072ETA	40,593	RW6G072GTA	41,407	
		RW6G096ETA	52,113	RW6G096GTA	53,153	
		RW6G120ETA	62,127	RW6G120GTA	63,371	
	3	RW6G143ETA	68,888	RW6G143GTA	70,265	
		RW6G179ETA	94,196	RW6G179GTA	96,083	
	4	RW6G216ETA	108,157	RW6G216GTA	110,320	
	4 FPI	1	RW4G038ETA	26,620	RW4G038GTA	27,153
			RW4G048ETA	28,781	RW4G048GTA	29,355
		2	RW4G077ETA	50,029	RW4G077GTA	51,030
RW4G097ETA			59,643	RW4G097GTA	60,835	
3		RW4G115ETA	66,132	RW4G115GTA	67,455	
		RW4G145ETA	90,430	RW4G145GTA	92,240	
4		RW4G182ETA	103,830	RW4G182GTA	105,907	

## HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV, LLSV & Check Valve <sup>1</sup>	EEV <sup>2</sup>	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>3</sup>	Insulated Drain Pan	Finkote2 Coating
1	3,033	2,546	584	876	603	1,212	5,300
2	4,093	2,546	584	876	603	1,612	8,700
3	4,305	3,516	584	876	603	2,074	12,900
4	4,305	3,516	584	876	603	2,383	16,600

- All Hot Gas Reverse Cycle Unit Coolers require a TXV, LLSV and Check Valve or an EEV.
- Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
- Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

Shipped-Loose Accessories are found on page 77 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

WAREHOUSE

HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE BASE MODELS

No. of Fans		Three-Phase Motor // Standard Fan // Hot Gas Drain Pan Heater				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RW6L036ETA	23,569	RW6L036GTA	24,042	
		RW6L047ETA	28,139	RW6L047GTA	28,707	
		RW6L059ETA	30,431	RW6L059GTA	31,038	
	2	RW6L072ETA	41,204	RW6L072GTA	42,031	
		RW6L096ETA	52,895	RW6L096GTA	53,954	
		RW6L120ETA	63,060	RW6L120GTA	64,325	
	3	RW6L143ETA	69,925	RW6L143GTA	71,323	
		RW6L179ETA	95,613	RW6L179GTA	97,521	
	4	RW6L216ETA	109,780	RW6L216GTA	111,976	
	4 FPI	1	RW4L038ETA	27,017	RW4L038GTA	27,558
			RW4L048ETA	29,208	RW4L048GTA	29,795
		2	RW4L077ETA	50,780	RW4L077GTA	51,796
RW4L097ETA			60,539	RW4L097GTA	61,750	
3		RW4L115ETA	67,126	RW4L115GTA	68,468	
		RW4L145ETA	91,785	RW4L145GTA	93,621	
4		RW4L182ETA	105,390	RW4L182GTA	107,496	

HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV, LLSV & Check Valve <sup>1</sup>	EEV <sup>2</sup>	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>3</sup>	Insulated Drain Pan	Finkote2 Coating
1	3,033	2,546	584	876	603	1,212	5,300
2	4,093	2,546	584	876	603	1,612	8,700
3	4,305	3,516	584	876	603	2,074	12,900
4	4,305	3,516	584	876	603	2,383	16,600

1. All Hot Gas Reverse Cycle Unit Coolers require a TXV, LLSV and Check Valve or an EEV.
2. Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
3. Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

Shipped-Loose Accessories are found on page 77 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

## WAREHOUSE

## HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE BASE MODELS

No. of Fans		Three-Phase Motor // High-Static Fan // Electric Drain Pan Heater				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RW6G036EHA	25,777	RW6G036GHA	26,292	
		RW6G047EHA	30,774	RW6G047GHA	31,392	
		RW6G059EHA	33,277	RW6G059GHA	33,941	
	2	RW6G072EHA	45,058	RW6G072GHA	45,961	
		RW6G096EHA	57,847	RW6G096GHA	59,004	
		RW6G120EHA	68,964	RW6G120GHA	70,343	
	3	RW6G143EHA	76,466	RW6G143GHA	77,997	
		RW6G179EHA	104,559	RW6G179GHA	106,652	
	4	RW6G216EHA	120,056	RW6G216GHA	122,456	
	4 FPI	1	RW4G038EHA	29,547	RW4G038GHA	30,137
			RW4G048EHA	31,945	RW4G048GHA	32,585
		2	RW4G077EHA	55,533	RW4G077GHA	56,644
RW4G097EHA			66,204	RW4G097GHA	67,529	
3		RW4G115EHA	73,408	RW4G115GHA	74,876	
		RW4G145EHA	100,377	RW4G145GHA	102,385	
4		RW4G182EHA	115,253	RW4G182GHA	117,557	

## HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV, LLSV & Check Valve <sup>1</sup>	EEV <sup>2</sup>	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>3</sup>	Insulated Drain Pan	Finkote2 Coating
1	3,033	2,546	584	876	603	1,212	5,300
2	4,093	2,546	584	876	603	1,612	8,700
3	4,305	3,516	584	876	603	2,074	12,900
4	4,305	3,516	584	876	603	2,383	16,600

- All Hot Gas Reverse Cycle Unit Coolers require a TXV, LLSV and Check Valve or an EEV.
- Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
- Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

Shipped-Loose Accessories are found on page 77 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

WAREHOUSE

HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE BASE MODELS

No. of Fans		Three-Phase Motor // High-Static Fan // Hot Gas Drain Pan Heater				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RW6L036EHA	26,164	RW6L036GHA	26,688	
		RW6L047EHA	31,236	RW6L047GHA	31,865	
		RW6L059EHA	33,776	RW6L059GHA	34,451	
	2	RW6L072EHA	45,736	RW6L072GHA	46,651	
		RW6L096EHA	58,714	RW6L096GHA	59,885	
		RW6L120EHA	69,997	RW6L120GHA	71,398	
	3	RW6L143EHA	77,613	RW6L143GHA	79,169	
		RW6L179EHA	106,128	RW6L179GHA	108,251	
	4	RW6L216EHA	121,857	RW6L216GHA	124,295	
	4 FPI	1	RW4L038EHA	29,992	RW4L038GHA	30,592
			RW4L048EHA	32,423	RW4L048GHA	33,071
		2	RW4L077EHA	56,365	RW4L077GHA	57,496
RW4L097EHA			67,197	RW4L097GHA	68,542	
3		RW4L115EHA	74,508	RW4L115GHA	75,998	
		RW4L145EHA	101,881	RW4L145GHA	103,922	
4		RW4L182EHA	116,980	RW4L182GHA	119,322	

HOT GAS DEFROST // REVERSE CYCLE CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV, LLSV & Check Valve <sup>1</sup>	EEV <sup>2</sup>	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>3</sup>	Insulated Drain Pan	Finkote2 Coating
1	3,033	2,546	584	876	603	1,212	5,300
2	4,093	2,546	584	876	603	1,612	8,700
3	4,305	3,516	584	876	603	2,074	12,900
4	4,305	3,516	584	876	603	2,383	16,600

- All Hot Gas Reverse Cycle Unit Coolers require a TXV, LLSV and Check Valve or an EEV.
- Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
- Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

Shipped-Loose Accessories are found on page 77 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

WAREHOUSE

HOT GAS DEFROST // 3-PIPE CONFIGURABLE BASE MODELS

No. of Fans		Three-Phase Motor // Standard Fan // Electric Drain Pan Heater				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RW6H036ETA	23,224	RW6H036GTA	23,687	
		RW6H047ETA	27,728	RW6H047GTA	28,282	
		RW6H059ETA	29,977	RW6H059GTA	30,579	
	2	RW6H072ETA	40,593	RW6H072GTA	41,407	
		RW6H096ETA	52,113	RW6H096GTA	53,153	
		RW6H120ETA	62,127	RW6H120GTA	63,371	
	3	RW6H143ETA	68,888	RW6H143GTA	70,265	
		RW6H179ETA	94,196	RW6H179GTA	96,083	
	4	RW6H216ETA	108,157	RW6H216GTA	110,320	
	4 FPI	1	RW4H038ETA	26,620	RW4H038GTA	27,153
			RW4H048ETA	28,781	RW4H048GTA	29,355
		2	RW4H077ETA	50,029	RW4H077GTA	51,030
RW4H097ETA			59,643	RW4H097GTA	60,835	
3		RW4H115ETA	66,132	RW4H115GTA	67,455	
		RW4H145ETA	90,430	RW4H145GTA	92,240	
4		RW4H182ETA	103,830	RW4H182GTA	105,907	

HOT GAS DEFROST // 3-PIPE CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV <sup>1</sup>	EEV <sup>2</sup>	LLSV	Check Valve	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>3</sup>	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	1,140	404	584	876	603	1,212	5,300
2	2,271	2,546	1,418	404	584	876	603	1,612	8,700
3	2,271	3,516	1,630	404	584	876	603	2,074	12,900
4	2,271	3,516	1,630	404	584	876	603	2,383	16,600

1. All Hot Gas 3-Pipe Unit Coolers require a TXV or an EEV
2. Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
3. Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

Shipped-Loose Accessories are found on page 77 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

## WAREHOUSE

## HOT GAS DEFROST // 3-PIPE CONFIGURABLE BASE MODELS

No. of Fans		Three-Phase Motor // Standard Fan // Hot Gas Drain Pan Heater				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RW6K036ETA	23,569	RW6K036GTA	24,042	
		RW6K047ETA	28,139	RW6K047GTA	28,707	
		RW6K059ETA	30,431	RW6K059GTA	31,038	
	2	RW6K072ETA	41,204	RW6K072GTA	42,031	
		RW6K096ETA	52,895	RW6K096GTA	53,954	
		RW6K120ETA	63,060	RW6K120GTA	64,325	
	3	RW6K143ETA	69,925	RW6K143GTA	71,323	
		RW6K179ETA	95,613	RW6K179GTA	97,521	
	4	RW6K216ETA	109,780	RW6K216GTA	111,976	
	4 FPI	1	RW4K038ETA	27,017	RW4K038GTA	27,558
			RW4K048ETA	29,208	RW4K048GTA	29,795
		2	RW4K077ETA	50,780	RW4K077GTA	51,796
RW4K097ETA			60,539	RW4K097GTA	61,750	
3		RW4K115ETA	67,126	RW4K115GTA	68,468	
		RW4K145ETA	91,785	RW4K145GTA	93,621	
4		RW4K182ETA	105,390	RW4K182GTA	107,496	

## HOT GAS DEFROST // 3-PIPE CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV <sup>1</sup>	EEV <sup>2</sup>	LLSV	Check Valve	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>3</sup>	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	1,140	404	584	876	603	1,212	5,300
2	2,271	2,546	1,418	404	584	876	603	1,612	8,700
3	2,271	3,516	1,630	404	584	876	603	2,074	12,900
4	2,271	3,516	1,630	404	584	876	603	2,383	16,600

1. All Hot Gas 3-Pipe Unit Coolers require a TXV or an EEV
2. Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
3. Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

Shipped-Loose Accessories are found on page 77 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

WAREHOUSE

HOT GAS DEFROST // 3-PIPE CONFIGURABLE BASE MODELS

No. of Fans		Three-Phase Motor // High-Static Fan // Electric Drain Pan Heater				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RW6H036EHA	25,777	RW6H036GHA	26,292	
		RW6H047EHA	30,774	RW6H047GHA	31,392	
		RW6H059EHA	33,277	RW6H059GHA	33,941	
	2	RW6H072EHA	45,058	RW6H072GHA	45,961	
		RW6H096EHA	57,847	RW6H096GHA	59,004	
		RW6H120EHA	68,964	RW6H120GHA	70,343	
	3	RW6H143EHA	76,466	RW6H143GHA	77,997	
		RW6H179EHA	104,559	RW6H179GHA	106,652	
	4	RW6H216EHA	120,056	RW6H216GHA	122,456	
	4 FPI	1	RW4H038EHA	29,547	RW4H038GHA	30,137
			RW4H048EHA	31,945	RW4H048GHA	32,585
		2	RW4H077EHA	55,533	RW4H077GHA	56,644
RW4H097EHA			66,204	RW4H097GHA	67,529	
3		RW4H115EHA	73,408	RW4H115GHA	74,876	
		RW4H145EHA	100,377	RW4H145GHA	102,385	
4		RW4H182EHA	115,253	RW4H182GHA	117,557	

HOT GAS DEFROST // 3-PIPE CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV <sup>1</sup>	EEV <sup>2</sup>	LLSV	Check Valve	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>3</sup>	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	1,140	404	584	876	603	1,212	5,300
2	2,271	2,546	1,418	404	584	876	603	1,612	8,700
3	2,271	3,516	1,630	404	584	876	603	2,074	12,900
4	2,271	3,516	1,630	404	584	876	603	2,383	16,600

1. All Hot Gas 3-Pipe Unit Coolers require a TXV or an EEV
2. Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
3. Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

Shipped-Loose Accessories are found on page 77 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

WAREHOUSE

HOT GAS DEFROST // 3-PIPE CONFIGURABLE BASE MODELS

No. of Fans		Three-Phase Motor // High-Static Fan // Hot Gas Drain Pan Heater				
		208-230/3/60		460/3/60		
		Model No.	List Price (\$US)	Model No.	List Price (\$US)	
6 FPI	1	RW6K036EHA	26,164	RW6K036GHA	26,688	
		RW6K047EHA	31,236	RW6K047GHA	31,865	
		RW6K059EHA	33,776	RW6K059GHA	34,451	
	2	RW6K072EHA	45,736	RW6K072GHA	46,651	
		RW6K096EHA	58,714	RW6K096GHA	59,885	
		RW6K120EHA	69,997	RW6K120GHA	71,398	
	3	RW6K143EHA	77,613	RW6K143GHA	79,169	
		RW6K179EHA	106,128	RW6K179GHA	108,251	
	4	RW6K216EHA	121,857	RW6K216GHA	124,295	
	4 FPI	1	RW4K038EHA	29,992	RW4K038GHA	30,592
			RW4K048EHA	32,423	RW4K048GHA	33,071
		2	RW4K077EHA	56,365	RW4K077GHA	57,496
RW4K097EHA			67,197	RW4K097GHA	68,542	
3		RW4K115EHA	74,508	RW4K115GHA	75,998	
		RW4K145EHA	101,881	RW4K145GHA	103,922	
4		RW4K182EHA	116,980	RW4K182GHA	119,322	

HOT GAS DEFROST // 3-PIPE CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)								
	TXV <sup>1</sup>	EEV <sup>2</sup>	LLSV	Check Valve	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control/ Fan Delay Switch <sup>3</sup>	Insulated Drain Pan	Finkote2 Coating
1	1,489	2,546	1,140	404	584	876	603	1,212	5,300
2	2,271	2,546	1,418	404	584	876	603	1,612	8,700
3	2,271	3,516	1,630	404	584	876	603	2,074	12,900
4	2,271	3,516	1,630	404	584	876	603	2,383	16,600

1. All Hot Gas 3-Pipe Unit Coolers require a TXV or an EEV
2. Price Adder for Electronic Expansion Valve (EEV) is for valve only. Does not include a controller, which must be field supplied.
3. Medium Temp Hot Gas Defrost Requires two adjustable defrost control / fan delay switches.

Shipped-Loose Accessories are found on page 77 • Alternative Cabinets (Painted or Stainless Steel) and Coil Coating (RussProof, Bronz-Glow & Electrofin) options are available. Contact Application Engineering, or a Sales Representative, if you are interested in these options.

## WAREHOUSE

## Shipped Loose Accessories

## CONTROLS &amp; THERMOSTATS

Option Name	Option Description	List Price (\$US)
EcoNet® Command Center	EcoNet® Command Center for EcoNet® Enabled Unit Coolers	1,684
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	549
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	709

## VALVES

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,964
	16 to 25 Tons	2,820
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	644
	4 to 9 Tons	917
	10 to 30 Tons	1,613
Liquid Line Solenoid Valve (LLSV)	1/2 thru 3 HP	543
	4 thru 8 HP	607
	9 thru 10 HP	881
	12 thru 15 HP	1,082
	22 HP	1,381

## HEAT EXCHANGERS

Part No.	Model No.	Length (in)	Liquid Line (in)	Suction Line (in)	List Price (\$US)
HX-25	105065001	12	1/4	1/2	296
HX-50	105065003	13	3/8	5/8	347
HX-75	105065004	14	3/8	7/8	475
HX-100	105065005	14	3/8	1-1/8	605
HX-150	105065006	14	1/2	1-1/8	700
HX-250	105065007	14	5/8	1-3/8	926
HX-350	105065008	16	5/8	1-5/8	953
HX-500	105065009	17	7/8	2-1/8	1,512
LHX-15	105065010	30	7/8	2-1/8	4,149
LHX-20	105065011	30	1-1/8	2-1/8	4,437
LHX-25	105065012	30	1-1/8	2-5/8	4,752

# AIR-COOLED CONDENSING UNITS

# NEXT-GEN MINICON 1/2 TO 6 HP



## MODEL NOMENCLATURE

R	F	H	150	E	4S	D	A
Brand	Style	Compressor	Horsepower	Temperature	Refrigerant	Voltage	Vintage <sup>1</sup>
R = Russell	F = Flooded B = Non-Flooded	H = Hermetic O = Scroll	150 = 1.5 HP	E = Extended Medium L = Low M = Medium	44 = R404A Only 4S = Multiple Refrigerants	D = 230/1/60 E = 208=230/3/60 G = 460/3/60 M = 200-220/1/50 N = 200-220/3/50 Q = 380/3/50	A B

## PRE-CONFIGURATION CODE<sup>2</sup>

**NT**

Pre-Assembly Code

NT - No Defrost Timer /Kit<sup>3</sup>

50 Hz available. Contact Factory for additional information.

1. A Vintage has standard PSC or High Efficiency motor(s). B Vintage has standard High Efficiency motors.
2. Pre-Configuration Codes are used to show common Factory Mounted options and are not available for every model.
3. "NT" pre-configuration code is available on Flooded Models with 230/1/60 or 208-230/3/60 voltage.

# NEXT-GEN MINICON

## 1/2 TO 6 HP



### FEATURES & OPTIONS

● Standard ○ Optional

Hermetic or Scroll Compressors	●
All-weather - Galvanized steel painted housing	●
Generously sized high efficiency condenser, enhanced copper tubes/aluminum fins	●
Integral Liquid Sub-cooling Circuit provides sub-cooled liquid to the expansion device	●
Base mounted shut-off valves placed external to cabinet for easy access	●
Liquid line kit with filter/drier and sight glass with moisture indicator	●
Suction line piping	●
Larger electrical panel with hinged/removable door	●
Color coded point-to-point wiring	●
Crankcase heater	●
Refrigerant receiver with isolation valve and pressure relief plug	●
"A" Vintage Units feature PSC or High Efficiency Motors, "B" Vintage Units feature High Efficiency Motors	●
Encapsulated high pressure (auto reset) and adjustable low pressure control	●
Electronic defrost timer with defrost contactor/ relay on low temperature standard models (2 evaps. maximum)	●
Electronic air defrost timer (Medium temperature standard models only)	●
Flooded models include flooded head pressure control	●
Non-flooded models include mild ambient fan cycle control	●
Suction Accumulator	○
Oil separator (may not be available with mounted accumulator)	○
Thru-the door fused disconnect for cabinet sizes FM2 through FM4	○
External fused or non-fused disconnect loose or mounted	○
Heated and insulated receiver	○
Oversized receiver	○
Adjustable high/low pressure control	○
Hose option for adjustable pressure control	○

## NEXT-GEN MINI-CON • 1/2 TO 6 HP

**FLOODED // HERMETIC COMPRESSOR // CONFIGURABLE BASE MODELS**

Includes Flooded Head Pressure Control Valve, Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/1/60			4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	Standard Defrost Provision(s)	List Price (\$US)	
Extended Medium Temp	FM1	0.50	RST45C1E	RFH055E4SDB	Air Defrost Timer	13,316	224
		0.75	RST55C1E	RFH080E4SDB	Air Defrost Timer	13,428	224
		1.00	RST70C1E	RFH100E4SDB	Air Defrost Timer	14,939	246
	FM2	1.25	RST97C1E	RFH125E4SDB	Air Defrost Timer	15,647	246

**NON-FLOODED // HERMETIC COMPRESSOR // CONFIGURABLE BASE MODELS**

Includes Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/1/60			4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	Standard Defrost Provision(s)	List Price (\$US)	
Extended Medium Temp	FM1	0.50	RST45C1E	RBH055E4SDB	Air Defrost Timer	12,475	224
		0.75	RST55C1E	RBH080E4SDB	Air Defrost Timer	12,639	224
		1.00	RST70C1E	RBH100E4SDB	Air Defrost Timer	14,010	246
	FM2	1.25	RST97C1E	RBH125E4SDB	Air Defrost Timer	14,693	246

**FLOODED // HERMETIC COMPRESSOR // NO DEFROST PROVISIONS PRE-CONFIGURED MODELS**

Includes Flooded Head Pressure Control Valve, Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and No Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/1/60		4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	List Price (\$US)	
Extended Medium Temp	FM1	0.50	RST45C1E	RFH055E4SDBNT	12,387	224
		0.75	RST55C1E	RFH080E4SDBNT	12,499	224
		1.00	RST70C1E	RFH100E4SDBNT	14,010	246
	FM2	1.25	RST97C1E	RFH125E4SDBNT	14,718	246

Factory Mounted Options are found on page 91 &amp; Shipped-Loose Accessories are found on page 93.

An Electric Defrost Kit must be ordered in lieu of the standard Air Defrost Timer when Extended Range Medium Temperature models are used for low temperature applications.

NEXT-GEN MINI-CON • 1/2 TO 6 HP

**FLOODED // HERMETIC COMPRESSOR // CONFIGURABLE BASE MODELS**

Includes Flooded Head Pressure Control Valve, Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/3/60			4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	Standard Defrost Provision(s)	List Price (\$US)	
Ext. Med. Temp	FM1	1.00	RST70C1E	RFH100E4SEB	Air Defrost Timer	14,771	246
	FM2	1.25	RST97C1E	RFH125E4SEB	Air Defrost Timer	15,471	246

**NON-FLOODED // HERMETIC COMPRESSOR // CONFIGURABLE BASE MODELS**

Includes Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/3/60			4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	Standard Defrost Provision(s)	List Price (\$US)	
Ext. Med. Temp	FM1	1.00	RST70C1E	RBH100E4SEB	Air Defrost Timer	13,836	246
	FM2	1.25	RST97C1E	RBH125E4SEB	Air Defrost Timer	14,554	246

**FLOODED // HERMETIC COMPRESSOR // NO DEFROST PROVISIONS PRE-CONFIGURED MODELS**

Includes Flooded Head Pressure Control Valve, Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and No Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/3/60		4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	List Price (\$US)	
Ext. Med. Temp	FM1	1.00	RST70C1E	RFH100E4SEBNT	13,842	246
	FM2	1.25	RST97C1E	RFH125E4SEBNT	14,542	246

Factory Mounted Options are found on page 91 & Shipped-Loose Accessories are found on page 93.

An Electric Defrost Kit must be ordered in lieu of the standard Air Defrost Timer when Extended Range Medium Temperature models are used for low temperature applications.

## NEXT-GEN MINI-CON • 1/2 TO 6 HP

## FLOODED // SCROLL COMPRESSOR // CONFIGURABLE BASE MODELS

Includes Flooded Head Pressure Control Valve, Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/1/60			EC Motor List Price Adder (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)	
				Model No.	Standard Defrost Provision(s)	List Price (\$US)			
Med. Temp	FM1	0.5	ZB06KAE	RFO060M4SDA	Air Defrost Timer	13,864	-	416	
		0.75	ZB07KAE	RFO080M4SDA	Air Defrost Timer	14,640	-	416	
		1.0	ZB08KAE	RFO100M4SDA	Air Defrost Timer	14,913	-	416	
Extended Medium Temperature	FM2	1.0	ZS09KAE	RFO130E4SDA	Air Defrost Timer	15,790	-	416	
		1.25	ZS11KAE	RFO150E4SDA	Air Defrost Timer	15,896	938	416	
	FM3	1.5	ZS13KAE	RFO180E4SDA	Air Defrost Timer	17,584	938	416	
		2.0	ZS15KAE	RFO200E4SDA	Air Defrost Timer	17,602	938	416	
	FM4	2.5	ZS19KAE	RFO250E4SDA	Air Defrost Timer	17,937	938	416	
		2.8	ZS20KAE	RFO280E4SDA	Air Defrost Timer	18,938	938	416	
		3.0	ZS21KAE	RFO300E4SDA	Air Defrost Timer	19,196	938	546	
		3.5	ZS26KAE	RFO350E4SDA	Air Defrost Timer	21,086	938	546	
		4.0	ZS29KAE	RFO400E4SDA	Air Defrost Timer	21,376	938	565	
		4.5	ZS33KAE	RFO450E4SDA	Air Defrost Timer	23,067	938	565	
	Low Temperature	FM1	5.0	ZS38K4E	RFO500E4SDA	Air Defrost Timer	24,133	938	585
			1.0	ZF03KAE	RFO100L4SDA	ED-5	15,979	-	416
1.3			ZF04KAE	RFO130L4SDA	ED-5	16,674	-	416	
FM2		1.5	ZF05KAE	RFO160L4SDA	ED-5	17,422	-	416	
		2.3	ZF07KAE	RFO230L4SDA	ED-7	18,485	938	416	
FM3		2.5	ZF08K4E	RFO250L4SDA	ED-7	19,962	938	416	
		3.0	ZF09K4E	RFO300L4SDA	ED-7	20,676	938	546	
		3.5	ZF11K4E	RFO350L4SDA	ED-10	22,844	938	546	
FM4	4.0	ZF13K4E	RFO400L4SDB	ED-10	25,741	-	565		
	5.0	ZF15K4E	RFO500L4SDB	ED-10	26,599	-	585		

Factory Mounted Options are found on page 91 &amp; Shipped-Loose Accessories are found on page 93.

An Electric Defrost Kit must be ordered in lieu of the standard Air Defrost Timer when Extended Range Medium Temperature models are used for low temperature applications.

"- " Not Available

## NEXT-GEN MINI-CON • 1/2 TO 6 HP

## NON-FLOODED // SCROLL COMPRESSOR // CONFIGURABLE BASE MODELS

Includes Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/1/60			EC Motor List Price Adder (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)	
				Model No.	Standard Defrost Provision(s)	List Price (\$US)			
Med. Temp	FM1	0.5	ZB06KAE	RBO060M4SDB	Air Defrost Timer	13,174	-	416	
		0.75	ZB07KAE	RBO080M4SDB	Air Defrost Timer	13,950	-	416	
		1.0	ZB08KAE	RBO100M4SDB	Air Defrost Timer	14,217	-	416	
Extended Medium Temperature	FM2	1.0	ZS09KAE	RBO130E4SDB	Air Defrost Timer	15,011	-	416	
		1.25	ZS11KAE	RBO150E4SDA	Air Defrost Timer	15,128	938	416	
	FM3	1.5	ZS13KAE	RBO180E4SDA	Air Defrost Timer	16,467	938	416	
		2.0	ZS15KAE	RBO200E4SDA	Air Defrost Timer	16,760	938	416	
	FM4	2.5	ZS19KAE	RBO250E4SDA	Air Defrost Timer	17,085	938	416	
		2.8	ZS20KAE	RBO280E4SDB	Air Defrost Timer	18,138	-	416	
		3.0	ZS21KAE	RBO300E4SDB	Air Defrost Timer	18,482	-	546	
		3.5	ZS26KAE	RBO350E4SDB	Air Defrost Timer	20,246	-	546	
		4.0	ZS29KAE	RBO400E4SDB	Air Defrost Timer	20,558	-	565	
		4.5	ZS33KAE	RBO450E4SDB	Air Defrost Timer	22,288	-	565	
	Low Temperature	FM1	5.0	ZS38K4E	RBO500E4SDB	Air Defrost Timer	23,415	-	585
			1.0	ZF03KAE	RBO100L4SDB	ED-5	15,114	-	416
1.3			ZF04KAE	RBO130L4SDB	ED-5	15,867	-	416	
FM2		1.5	ZF05KAE	RBO160L4SDB	ED-5	16,655	-	416	
		2.3	ZF07KAE	RBO230L4SDA	ED-7	17,762	938	416	
FM3		2.5	ZF08K4E	RBO250L4SDA	ED-7	19,270	938	416	
		3.0	ZF09K4E	RBO300L4SDA	ED-7	20,446	938	546	
		3.5	ZF11K4E	RBO350L4SDA	ED-10	22,084	938	546	
FM4	4.0	ZF13K4E	RBO400L4SDB	ED-10	25,047	-	565		
	5.0	ZF15K4E	RBO500L4SDB	ED-10	25,788	-	585		

Factory Mounted Options are found on page 91 &amp; Shipped-Loose Accessories are found on page 93.

An Electric Defrost Kit must be ordered in lieu of the standard Air Defrost Timer when Extended Range Medium Temperature models are used for low temperature applications.

"- " Not Available

## NEXT-GEN MINI-CON • 1/2 TO 6 HP

## FLOODED // SCROLL COMPRESSOR // NO DEFROST PROVISIONS PRE-CONFIGURED MODELS

Includes Flooded Head Pressure Control Valve, Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and No Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/1/60		4 Yr Compressor Protection Plan (Net Price Adder \$US)	
				Model No.	List Price (\$US)		
Med. Temp	FM1	0.5	ZB06KAE	RFO060M4SDANT	12,935	416	
		0.75	ZB07KAE	RFO080M4SDANT	13,711	416	
		1.0	ZB08KAE	RFO100M4SDANT	13,984	416	
Extended Medium Temperature	FM2	1.0	ZS09KAE	RFO130E4SDANT	14,861	416	
		1.25	ZS11KAE	RFO150E4SDANT	14,967	416	
	FM3	1.5	ZS13KAE	RFO180E4SDANT	16,655	416	
		2.0	ZS15KAE	RFO200E4SDANT	16,673	416	
	FM4	2.5	ZS19KAE	RFO250E4SDANT	17,008	416	
		2.8	ZS20KAE	RFO280E4SDANT	18,009	416	
		3.0	ZS21KAE	RFO300E4SDANT	18,267	546	
		3.5	ZS26KAE	RFO350E4SDANT	20,157	546	
		4.0	ZS29KAE	RFO400E4SDANT	20,447	565	
		4.5	ZS33KAE	RFO450E4SDANT	22,138	565	
	Low Temperature	FM1	5.0	ZS38K4E	RFO500E4SDANT	23,204	585
			1.0	ZF03KAE	RFO100L4SDANT	14,860	416
1.3			ZF04KAE	RFO130L4SDANT	15,555	416	
FM2		1.5	ZF05KAE	RFO160L4SDANT	16,303	416	
		2.3	ZF07KAE	RFO230L4SDANT	17,366	416	
FM3		2.5	ZF08K4E	RFO250L4SDANT	18,843	416	
		3.0	ZF09K4E	RFO300L4SDANT	19,557	546	
		3.5	ZF11K4E	RFO350L4SDANT	21,725	546	
FM4		4.0	ZF13K4E	RFO400L4SDBNT	24,622	565	
	5.0	ZF15K4E	RFO500L4SDBNT	25,480	585		

Factory Mounted Options are found on page 91 &amp; Shipped-Loose Accessories are found on page 93.

An Electric Defrost Kit must be ordered in lieu of the standard Air Defrost Timer when Extended Range Medium Temperature models are used for low temperature applications.

## NEXT-GEN MINI-CON • 1/2 TO 6 HP

## FLOODED // SCROLL COMPRESSOR // CONFIGURABLE BASE MODELS

Includes Flooded Head Pressure Control Valve, Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/3/60			EC Motor List Price Adder (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)	
				Model No.	Standard Defrost Provision(s)	List Price (\$US)			
Med. Temp	FM1	0.5	ZB06KAE	RFO060M4SEA	Air Defrost Timer	14,029	-	416	
		0.75	ZB07KAE	RFO080M4SEA	Air Defrost Timer	15,026	-	416	
		1.0	ZB08KAE	RFO100M4SEA	Air Defrost Timer	15,204	-	416	
		1.0	ZS09KAE	RFO130E4SEA	Air Defrost Timer	15,744	-	416	
Extended Medium Temperature	FM2	1.25	ZS11KAE	RFO150E4SEA	Air Defrost Timer	16,003	938	416	
		1.5	ZS13KAE	RFO180E4SEA	Air Defrost Timer	17,294	938	416	
	FM3	2.0	ZS15KAE	RFO200E4SEA	Air Defrost Timer	17,723	938	416	
		2.5	ZS19KAE	RFO250E4SEA	Air Defrost Timer	18,168	938	416	
	FM4	2.8	ZS20KAE	RFO280E4SEA	Air Defrost Timer	19,226	938	416	
		3.0	ZS21KAE	RFO300E4SEA	Air Defrost Timer	19,530	938	546	
		3.5	ZS26KAE	RFO350E4SEA	Air Defrost Timer	21,417	938	546	
		4.0	ZS29KAE	RFO400E4SEA	Air Defrost Timer	22,013	938	565	
		4.5	ZS33KAE	RFO450E4SEA	Air Defrost Timer	22,609	938	565	
		5.0	ZS38K4E	RFO500E4SEA	Air Defrost Timer	24,402	938	585	
	Low Temperature	FM1	1.0	ZF03KAE	RFO100L4SEA	ED-5	16,192	-	416
			1.3	ZF04KAE	RFO130L4SEA	ED-5	16,899	-	416
1.5			ZF05KAE	RFO160L4SEA	ED-5	17,657	-	416	
FM2		2.3	ZF07KAE	RFO230L4SEA	ED-5	18,738	938	416	
FM3		2.5	ZF08K4E	RFO250L4SEA	ED-6	20,320	938	416	
		3.0	ZF09K4E	RFO300L4SEA	ED-6	21,060	938	546	
		3.5	ZF11K4E	RFO350L4SEA	ED-7	23,104	938	546	
FM4		4.0	ZF13K4E	RFO400L4SEB	ED-7	25,999	-	565	
		5.0	ZF15K4E	RFO500L4SEB	ED-11	26,743	-	585	
	6.0	ZF18K4E	RFO600L4SEB	ED-11	28,295	-	585		

Factory Mounted Options are found on page 91 &amp; Shipped-Loose Accessories are found on page 93.

An Electric Defrost Kit must be ordered in lieu of the standard Air Defrost Timer when Extended Range Medium Temperature models are used for low temperature applications.

"- " Not Available

## NEXT-GEN MINI-CON • 1/2 TO 6 HP

## NON-FLOODED // SCROLL COMPRESSOR // CONFIGURABLE BASE MODELS

Includes Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/3/60			EC Motor List Price Adder (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)	
				Model No.	Standard Defrost Provision(s)	List Price (\$US)			
Med. Temp	FM1	0.5	ZB06KAE	RBO060M4SEB	Air Defrost Timer	13,332	-	416	
		0.75	ZB07KAE	RBO080M4SEB	Air Defrost Timer	14,335	-	416	
		1.0	ZB08KAE	RBO100M4SEB	Air Defrost Timer	14,513	-	416	
		1.0	ZS09KAE	RBO130E4SEB	Air Defrost Timer	15,032	-	416	
Extended Medium Temperature	FM2	1.25	ZS11KAE	RBO150E4SEA	Air Defrost Timer	15,284	938	416	
		1.5	ZS13KAE	RBO180E4SEA	Air Defrost Timer	16,413	938	416	
	FM3	2.0	ZS15KAE	RBO200E4SEA	Air Defrost Timer	16,877	938	416	
		2.5	ZS19KAE	RBO250E4SEA	Air Defrost Timer	17,338	938	416	
	FM4	2.8	ZS20KAE	RBO280E4SEB	Air Defrost Timer	18,428	-	416	
		3.0	ZS21KAE	RBO300E4SEB	Air Defrost Timer	18,794	-	546	
		3.5	ZS26KAE	RBO350E4SEB	Air Defrost Timer	20,584	-	546	
		4.0	ZS29KAE	RBO400E4SEB	Air Defrost Timer	21,194	-	565	
		4.5	ZS33KAE	RBO450E4SEB	Air Defrost Timer	21,804	-	565	
		5.0	ZS38K4E	RBO500E4SEB	Air Defrost Timer	23,687	-	585	
	Low Temperature	FM1	1.0	ZF03KAE	RBO100L4SEB	ED-5	15,120	-	416
			1.3	ZF04KAE	RBO130L4SEB	ED-5	15,947	-	416
1.5			ZF05KAE	RBO160L4SEB	ED-5	16,794	-	416	
FM2		2.3	ZF07KAE	RBO230L4SEA	ED-5	18,004	938	416	
FM3		2.5	ZF08K4E	RBO250L4SEA	ED-6	19,631	938	416	
		3.0	ZF09K4E	RBO300L4SEA	ED-6	20,369	938	546	
		3.5	ZF11K4E	RBO350L4SEA	ED-7	22,411	938	546	
FM4		4.0	ZF13K4E	RBO400L4SEB	ED-7	25,308	-	565	
		5.0	ZF15K4E	RBO500L4SEB	ED-11	26,051	-	585	
	6.0	ZF18K4E	RBO600L4SEB	ED-11	27,605	-	585		

Factory Mounted Options are found on page 91 &amp; Shipped-Loose Accessories are found on page 93.

An Electric Defrost Kit must be ordered in lieu of the standard Air Defrost Timer when Extended Range Medium Temperature models are used for low temperature applications.

"- " Not Available

## NEXT-GEN MINI-CON • 1/2 TO 6 HP

## FLOODED // SCROLL COMPRESSOR // NO DEFROST PROVISIONS PRE-CONFIGURED MODELS

Includes Flooded Head Pressure Control Valve, Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and No Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	208-230/3/60		4 Yr Compressor Protection Plan (Net Price Adder \$US)	
				Model No.	List Price (\$US)		
Med. Temp	FM1	0.5	ZB06KAE	RFO060M4SEANT	13,100	416	
		0.75	ZB07KAE	RFO080M4SEANT	14,097	416	
		1.0	ZB08KAE	RFO100M4SEANT	14,275	416	
Extended Medium Temperature	FM2	1.0	ZS09KAE	RFO130E4SEANT	14,815	416	
		1.25	ZS11KAE	RFO150E4SEANT	15,074	416	
	FM3	1.5	ZS13KAE	RFO180E4SEANT	16,365	416	
		2.0	ZS15KAE	RFO200E4SEANT	16,794	416	
	FM4	2.5	ZS19KAE	RFO250E4SEANT	17,239	416	
		2.8	ZS20KAE	RFO280E4SEANT	18,297	416	
		3.0	ZS21KAE	RFO300E4SEANT	18,601	546	
		3.5	ZS26KAE	RFO350E4SEANT	20,488	546	
		4.0	ZS29KAE	RFO400E4SEANT	21,084	565	
		4.5	ZS33KAE	RFO450E4SEANT	21,680	565	
		5.0	ZS38K4E	RFO500E4SEANT	23,473	585	
	Low Temperature	FM1	6.0	ZS45K4E	RFO600E4SEANT	26,147	585
			1.0	ZF03KAE	RFO100L4SEANT	15,073	416
1.3			ZF04KAE	RFO130L4SEANT	15,780	416	
FM2		1.5	ZF05KAE	RFO160L4SEANT	16,538	416	
		2.3	ZF07KAE	RFO230L4SEANT	17,619	416	
FM3		2.5	ZF08K4E	RFO250L4SEANT	19,201	416	
		3.0	ZF09K4E	RFO300L4SEANT	19,941	546	
		3.5	ZF11K4E	RFO350L4SEANT	21,985	546	
FM4		4.0	ZF13K4E	RFO400L4SEBNT	24,880	565	
	5.0	ZF15K4E	RFO500L4SEBNT	25,624	585		
	6.0	ZF18K4E	RFO600L4SEBNT	27,176	585		

Factory Mounted Options are found on page 91 &amp; Shipped-Loose Accessories are found on page 93.

An Electric Defrost Kit must be ordered in lieu of the standard Air Defrost Timer when Extended Range Medium Temperature models are used for low temperature applications.

## NEXT-GEN MINI-CON • 1/2 TO 6 HP

## FLOODED - SCROLL COMPRESSOR // CONFIGURABLE BASE MODELS

Includes Flooded Head Pressure Control Valve, Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	460/3/60			4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	Standard Defrost Provision(s)	List Price (\$US)	
Extended Medium Temperature	FM1	1.0	ZS09KAE	RFO130E4SGA	Air Defrost Timer	17,328	416
	FM2	1.25	ZS11KAE	RFO150E4SGA	Air Defrost Timer	17,750	416
		1.5	ZS13KAE	RFO180E4SGA	Air Defrost Timer	18,603	416
	FM3	2.0	ZS15KAE	RFO200E4SGA	Air Defrost Timer	18,814	416
		2.5	ZS19KAE	RFO250E4SGA	Air Defrost Timer	19,080	416
	FM4	2.8	ZS20KAE	RFO280E4SGA	Air Defrost Timer	20,108	416
		3.0	ZS21KAE	RFO300E4SGA	Air Defrost Timer	20,348	546
		3.5	ZS26KAE	RFO350E4SGA	Air Defrost Timer	22,178	546
		4.0	ZS29KAE	RFO400E4SGA	Air Defrost Timer	23,051	565
		4.5	ZS33KAE	RFO450E4SGA	Air Defrost Timer	24,886	565
		5.0	ZS38K4E	RFO500E4SGA	Air Defrost Timer	25,156	585
	Low Temperature	FM2	2.3	ZF07KAE	RFO230L4SGA	ED-17	20,324
FM3		2.5	ZF08K4E	RFO250L4SGA	ED-17	21,909	416
		3.0	ZF09K4E	RFO300L4SGA	ED-17	22,284	546
		3.5	ZF11K4E	RFO350L4SGA	ED-17	23,862	546
FM4		4.0	ZF13K4E	RFO400L4SGB	ED-17	26,365	565
		5.0	ZF15K4E	RFO500L4SGB	ED-17	27,184	585
		6.0	ZF18K4E	RFO600L4SGB	ED-17	28,750	585

Factory Mounted Options are found on page 91 &amp; Shipped-Loose Accessories are found on page 93.

An Electric Defrost Kit must be ordered in lieu of the standard Air Defrost Timer when Extended Range Medium Temperature models are used for low temperature applications.

## NEXT-GEN MINI-CON • 1/2 TO 6 HP

## NON-FLOODED // SCROLL COMPRESSOR // CONFIGURABLE BASE MODELS

Includes Liquid Line Kit with Filter/Drier, Sight Glass with Moisture Indicator and Defrost Provisions

	Cabinet Size	Nom. H.P.	Compressor Model No.	460/3/60			4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	Standard Defrost Provision(s)	List Price (\$US)	
Extended Medium Temperature	FM2	1.25	ZS11KAE	RBO150E4SGA	Air Defrost Timer	17,031	416
		1.5	ZS13KAE	RBO180E4SGA	Air Defrost Timer	17,807	416
	FM3	2.0	ZS15KAE	RBO200E4SGA	Air Defrost Timer	18,016	416
		2.5	ZS19KAE	RBO250E4SGA	Air Defrost Timer	18,283	416
	FM4	2.8	ZS20KAE	RBO280E4SGB	Air Defrost Timer	19,348	416
		3.0	ZS21KAE	RBO300E4SGB	Air Defrost Timer	19,655	546
		3.5	ZS26KAE	RBO350E4SGB	Air Defrost Timer	21,374	546
		4.0	ZS29KAE	RBO400E4SGB	Air Defrost Timer	22,308	565
		4.5	ZS33KAE	RBO450E4SGB	Air Defrost Timer	23,904	565
		5.0	ZS38K4E	RBO500E4SGB	Air Defrost Timer	24,391	585
		6.0	ZS45K4E	RBO600E4SGB	Air Defrost Timer	27,033	585
	Low Temperature	FM2	2.3	ZF07KAE	RBO230L4SGA	ED-17	19,189
FM3		2.5	ZF08K4E	RBO250L4SGA	ED-17	20,814	416
		3.0	ZF09K4E	RBO300L4SGA	ED-17	21,494	546
		3.5	ZF11K4E	RBO350L4SGA	ED-17	23,171	546
FM4		4.0	ZF13K4E	RBO400L4SGB	ED-17	25,675	565
		5.0	ZF15K4E	RBO500L4SGB	ED-17	26,491	585
		6.0	ZF18K4E	RBO600L4SGB	ED-17	28,058	585

Factory Mounted Options are found on page 91 &amp; Shipped-Loose Accessories are found on page 93.

An Electric Defrost Kit must be ordered in lieu of the standard Air Defrost Timer when Extended Range Medium Temperature models are used for low temperature applications.

NEXT-GEN MINI-CON • 1/2 TO 6 HP

FACTORY INSTALLED OPTIONS // GENERAL

Option Description	Cabinet Size	List Price Adder (\$US)	
		Medium Temp	Low Temp
Crankcase Heater	ALL	Standard	
Fixed High/Adjustable Low Pressure Control	ALL	Standard	
Adjustable High/Adjustable Low Pressure Control	ALL	652	
Adjustable Head Pressure Control Valve	FM1-FM3	582	
Liquid Line With Components: Sealed Filter	ALL	Standard	
Liquid Line with Premium Components: Replaceable Core Filter/Drier	FM4	961	
Suction Line Components: Sealed Filter	FM1	623	
	FM2 - FM4	743	
Suction Line Components: Replaceable Core Filter	FM4	2,186	
Suction Line Accumulator	FM1	962	
	FM2 - FM4	1,484	
Oil Separator	FM4	2,361	
Over-Sized Receiver	FM1	797	
	FM2	950	
	FM3	2,271	
	FM4	2,330	
Compressor Pump-down Switch	ALL	615	
Heated & Insulated Receiver (temperature controlled with low pressure bypass timer)	ALL	1,302	
Phase Loss Monitor <sup>^</sup>	ALL	2,134	
Copper Fins Or Electro Fin Coated Coil	ALL	Contact Factory	
Thru The Door - Non - Fused - Disconnect Switch	FM1 - FM2	915	
	FM3 - FM4	1,216	
External Fused Disconnect (Mounted)	FM1 - FM2	1,029	
	FM3 - FM4	1,896	

<sup>^</sup> Only available on units that are 3 Phase.  
Continued on next page

NEXT-GEN MINI-CON • 1/2 TO 6 HP

FACTORY INSTALLED OPTIONS // GENERAL

Option Description	Cabinet Size	List Price Adder (\$US)	
		Medium Temp	Low Temp
Variable Speed EC Motors & Controller	FM1	2,024	
	FM2	2,754	
	FM3	3,074	
	FM4	2,236	
Finkote2 Coil Coating	FM1	3,330	
	FM2	3,610	
	FM3	3,890	
	FM4	4,440	

FACTORY INSTALLED OPTIONS // COMMON DEFROST COMPONENTS

Option Description	Cabinet Size	List Price Adder (\$US)	
		Medium Temp	Low Temp
Standard (Electronic) Air Defrost Timer*	ALL	Standard	-
Remove Standard Air Defrost Timer	ALL	(929)	-
Standard Defrost Kit (ED5 - ED11)	ALL	-	Standard
Substitute Standard Air Defrost Time for Standard Defrost Kit (ED5-ED11)	ALL	190	-
Remove Standard Defrost Kit	ALL	-	(1,119)

Negative numbers (in parentheses) represent the price to be deducted from base price if a standard feature is removed.

\* Standard Electronic Air Defrost Timer can be substituted with Mechanical Air Defrost Timer at no charge.

Defrost Kit Descriptions & Additional Defrost Kit Options available on page 94

"-" Not Available

## NEXT-GEN MINI-CON • 1/2 TO 6 HP

## SHIPPED-LOOSE ACCESSORIES

Option Description	Cabinet Size	List Price Adder (\$US)
Crankcase Pressure Regulating Valve	ALL	Contact Factory
External Fused Disconnect	FM4	1,739
Two-Tiered Stacking Rack	ALL	Contact Factory
Snow / Hail Guards	FM1	712
	FM2	786
	FM3	852
	FM4	1,042
Snow Legs	ALL	474

NEXT-GEN MINI-CON • 1/2 TO 6 HP

**ELECTRIC DEFROST KITS - DEFROST KIT NOMENCLATURE**

<b>ED</b>	<b>1</b>	<b>2</b>	<b>-</b>	<b>M</b>	<b>48</b>
Kit Designator	Unit Coolers per System	Defrost Kit Identifier		Defrost Heater Phase	Defrost Heater Voltage
	1, 2, or 3			A - 1 Phase Fan Motor(s), 1 Phase Heater(s) B - 1 Phase Fan Motor(s), 3 Phase Heaters(s) C - 3 Phase Fan Motor(s), 3 Phase Heater(s)	2 - 208-230 4 - 460

**Electric Defrost Kits - Descriptions**

The MiniCon Electric Defrost System provides unique features that other defrost systems lack. These energy saving features are as follows:

- The auxiliary switch on 3 phase systems and block-out relays on 1 phase systems prevents the defrost heaters from energizing when the compressor is in operation. This features holds the maximum amp draw to the largest single load that the system will draw, and therefore reduces the electrical service requirement to the condensing unit.
- On multiple evaporator systems, individual defrost contactors are used in conjunction with sequencing relays to allow each evaporator to terminate defrost independently. This efficient method of defrost saves electricity, and reduces the potential of overheating and steaming the evaporators. In addition, the amount of heat added to the room is kept to a minimum, reducing the run time of the condensing unit.

**Electric Defrost Kits - Definitions**

- Timer - Initiates the defrost cycle. Also used as override protection for defrost termination.
- Auxiliary Switch - Mounted on the compressor contactor, it prevents the defrost contactor from operating whenever the compressor is energized.
- Block-out Relay - Serves the same function as auxiliary switch, except used when defrost contactor is not required (single phase only).
- Fan Contactor - Used with 460 V motors or when 230 V motors are wired for 3 phase power.
- Defrost Contactor - Carries amperage load for heaters. Contactor selection is based on the maximum resistive load rating of the contactor.
- Relays - Provides interconnection of multiple unit coolers on a single system so that each unit cooler is allowed to individually terminate defrost on temperature.

NEXT-GEN MINI-CON • 1/2 TO 6 HP

**ELECTRIC DEFROST KITS // KIT NUMBERS**

Kit No.	Timer	Auxiliary Relays	Block-out Relays	Defrost Heater Contactor (1) <sup>†</sup>	Fan Contactor <sup>‡</sup>	Sequencing Relay
ED-5	1	-	1-15A	-	-	-
ED-6	1	-	1-20A	-	-	-
ED-7	1	-	1-25A	-	-	-
ED-10	1	-	1-30A	-	-	-
ED-20	1	-	1-30A	-	-	2
ED-17	1	1	-	1-15A	1-25A	-
ED-11	1	1	-	1-30A	-	-
ED-12	1	1	-	1-30A	1-25A	-
ED-14	1	1	-	1-50A	1-25A	-
ED-21	1	1	-	2-15A	-	2
ED-22	1	1	-	2-15A	1-25A	2
ED-23	1	1	-	2-25A	-	2
ED-24	1	1	-	2-25A	1-25A	2

**POWER CONNECTION**

Factory installed components on the condensing unit in place of the defrost provisions to allow for powering EcoNet<sup>®</sup> enabled evaporators

Kit Model	Max Amps	List Price (\$US)
EF-30A	30A	670
EF-60A	60A	877

<sup>†</sup> Heater contactor amperage is based on its resistive rating.  
<sup>‡</sup> Fan motor contactor amperage is based on its inductive rating.

NEXT-GEN MINI-CON • 1/2 TO 6 HP

ELECTRIC DEFROST KITS // PRICING

Quantity of Unit Coolers Per System	Description	Defrost Kit No.				List Price Adder (Only Available Mounted)
		1 PH. FANS 1 PH. HTRS	1 PH. FANS 3 PH. HTRS	230 V	460 V	
				3 PH. FANS 3 PH. HTRS	3 PH. FANS 3 PH. HTRS	
DEFROST KITS WHEN THE EVAPORATOR FAN MOTORS ARE WIRED FOR 230/1						
1	Up to 15 Amps Heater (w/ relay)	ED5-A2	-	-	-	1,119
	20 Amps Heater (w/ relay)	ED6-A2	-	-	-	1,119
	25 Amps Heater (w/ relay)	ED7-A2	-	-	-	1,119
	Up to 30 Amps Heater (w/ relay)	ED10-A2	-	-	-	1,119
	30 Amps - Heater (w/ contactors)	-	ED11-B2	-	-	1,119
2	Up to 15 Amps Heaters each (w/relays)	ED20-A2	-	-	-	3,494
	15 Amps Heaters each	ED21-A2	ED21-B2	-	-	3,494
	25 Amps Heaters each (w/ relays)	ED23-A2	-	-	-	3,592
	25 Amps Heaters each (w/ contactors)	-	ED23-B2	-	-	3,592
DEFROST KITS WHEN THE EVAPORATOR FAN MOTORS ARE WIRED FOR 230/3, 460/3, OR 460/1.						
1	Up to 25 Amps Heater	ED17-A4	-	-	-	1,119
	30 Amps Heater	ED12-A4	ED12-BX	ED12-C2	ED12-C4	2,550
	50 Amps Heater	-	ED14-BX	ED14-C2	ED14-C4	2,985
2	Up to 15 Amps Heaters per Unit Cooler	-	ED22-BX	ED22-C2	ED22-C4	4,291
	25 Amps Heaters per Unit Cooler	-	ED24-BX	ED24-C2	ED24-C4	4,291

NOTE: Defrost Kits are only available factory mounted and cannot be shipped loose.

# NEXT-GEN II 3 TO 22 HP



## MODEL NOMENCLATURE

R	F	D	S	04	M	4S	E	A
Brand	Style	Compressor	Compressor Configuration	Horsepower	Temperature	Refrigerant	Voltage	Vintage <sup>^</sup>
R = Russell	F = Flooded B = Non=Flooded	D = Discus O = Scroll B = Bitzer	S = Single		E = Extended Medium L = Low M = Medium	4S = Multiple Refrigerants	E = 208-230/3/60 G = 460/3/60 N = 200-220/3/50 Q = 380/3/50	A B

50 Hz available. Contact Factory for additional information.

<sup>^</sup> A Vintage has standard PSC motor(s). B Vintage has standard High Efficiency motors. For specific model number vintages, please refer to following price tables or contact factory.

## FEATURES & OPTIONS

● Standard ○ Optional

Copeland Discus™, Copeland Scroll™ or Bitzer Semi-Hermetic Compressor	●
All weather G90 galvanized steel painted enclosure	●
Removable side panels for ease of service	●
Generously sized high efficiency condenser, with enhanced copper tubes/and aluminum fins	●
Liquid line kit with sealed filter/drier and sight glass with moisture indicator	●
Easy access base mounted service valves placed external to cabinet	●
Dual pressure (auto reset) controls with flexible Reflex® hoses	●
Vertical receiver with isolation valves	●
Refrigerant pressure relief valve on FD2 and FD3 Cabinets.	●

Continued on next page

# NEXT-GEN II

## 3 TO 22 HP



FEATURES & OPTIONS	● Standard	○ Optional
Integral liquid sub-cooling circuit	●	
Suction line piping (filter optional)	●	
Heavy duty three phase condenser fan motor(s)	●	
Crankcase heater	●	
Control circuit fuses	●	
Compressor Pump-down Switch	●	
Large electrical panel with hinged door	●	
208-230 V control voltage	●	
Color coded point-to-point wiring	●	
Liquid injection for low temp. Scroll compressors	●	
Non-flooded models include fan cycle control	●	
Flooded models include flooded head pressure control (70°F)	●	
Electronic air defrost timer or electric defrost components	○	
Suction accumulator and/or oil separator	○	
Replaceable core suction and liquid filters with bypass	○	
Thru-the-door disconnect switch	○	
Copper or coated condenser fins	○	
Oversized receiver	○	

## NEXT-GEN II • 3 TO 22 HP

FLOODED // DISCUS COMPRESSOR // MEDIUM TEMPERATURE // CONFIGURABLE BASE MODELS

	Cabinet Size	Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)
Medium Temperature	FD1	2DC3R53K	04	208-230/3/60	RFDS04M4SEA	42,342	1,004
				460/3/60	RFDS04M4SGA	44,978	
		2DD3R63K	05	208-230/3/60	RFDS05M4SEA	43,108	1,004
				460/3/60	RFDS05M4SGA	45,636	
	FD2	2DL3R78K	06	208-230/3/60	RFDS06M4SEA	53,539	1,213
				460/3/60	RFDS06M4SGA	57,263	
		2DA3R89K	07	208-230/3/60	RFDS07M4SEA	54,677	1,213
				460/3/60	RFDS07M4SGA	58,017	
		3DA3R10M	08	208-230/3/60	RFDS08M4SEA	61,315	1,213
				460/3/60	RFDS08M4SGA	64,990	
		3DB3R12M	10	208-230/3/60	RFDS10M4SEA	65,752	1,583
				460/3/60	RFDS10M4SGA	69,152	
	FD3	3DF3R15M	12	208-230/3/60	RFDS12M4SEA	71,226	1,927
				460/3/60	RFDS12M4SGA	74,014	
3DS3R17M		15	208-230/3/60	RFDS15M4SEA	72,802	2,454	
			460/3/60	RFDS15M4SGA	75,260		

Factory Mounted Options found on page 112.

NEXT-GEN II • 3 TO 22 HP

NON-FLOODED // DISCUS COMPRESSOR // MEDIUM TEMPERATURE // CONFIGURABLE BASE MODELS

Cabinet Size		Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)
Medium Temperature	FD1	2DC3R53K	04	208-230/3/60	RBDS04M4SEB	39,617	1,004
				460/3/60	RBDS04M4SGB	42,201	
		2DD3R63K	05	208-230/3/60	RBDS05M4SEB	40,363	1,004
				460/3/60	RBDS05M4SGB	42,847	
	FD2	2DL3R78K	06	208-230/3/60	RBDS06M4SEA	50,599	1,213
				460/3/60	RBDS06M4SGA	54,254	
		2DA3R89K	07	208-230/3/60	RBDS07M4SEA	51,712	1,213
				460/3/60	RBDS07M4SGA	54,994	
		3DA3R10M	08	208-230/3/60	RBDS08M4SEA	58,230	1,213
				460/3/60	RBDS08M4SGA	61,831	
	3DB3R12M	10	208-230/3/60	RBDS10M4SEA	62,582	1,583	
			460/3/60	RBDS10M4SGA	65,919		
FD3	3DF3R15M	12	208-230/3/60	RBDS12M4SEA	67,950	1,927	
			460/3/60	RBDS12M4SGA	70,687		
	3DS3R17M	15	208-230/3/60	RBDS15M4SEA	70,877	2,454	
			460/3/60	RBDS15M4SGA	73,334		

Factory Mounted Options found on page 112

NEXT-GEN II • 3 TO 22 HP

FLOODED // DISCUS COMPRESSOR // LOW TEMPERATURE // CONFIGURABLE BASE MODELS

Cabinet Size		Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)
Low Temperature	FD1	2DF3F16K	03	208-230/3/60	RFDS03L4SEA	41,222	1,004
				460/3/60	RFDS03L4SGA	44,078	
		2DL3F20K	04	208-230/3/60	RFDS04L4SEA	45,194	1,004
				460/3/60	RFDS04L4SGA	48,091	
		2DA3F23K	05	208-230/3/60	RFDS05L4SEA	46,286	1,004
				460/3/60	RFDS05L4SGA	49,574	
	FD2	3DA3F28K	06	208-230/3/60	RFDS06L4SEA	50,467	1,213
				460/3/60	RFDS06L4SGA	53,785	
		3DB3F33K	08	208-230/3/60	RFDS08L4SEA	56,502	1,213
				460/3/60	RFDS08L4SGA	59,171	
		3DF3F40K	09	208-230/3/60	RFDS09L4SEA	63,223	1,583
				460/3/60	RFDS09L4SGA	66,963	
	3DS3F46K	10	208-230/3/60	RFDS10L4SEA	68,636	1,583	
			460/3/60	RFDS10L4SGA	69,822		
	FD3	4DBNF54K	12	208-230/3/60	RFDS12L4SEA	69,998	1,927
				460/3/60	RFDS12L4SGA	71,596	
		4DHNF63K	15	208-230/3/60	RFDS15L4SEA	73,569	2,454
				460/3/60	RFDS15L4SGA	74,740	
4DJNF76K		22	208-230/3/60	RFDS22L4SEA	83,379	3,024	
			460/3/60	RFDS22L4SGA	84,776		

Factory Mounted Options found on page 112  
 Demand Cooling™ is optional for Low Temp. Discus compressors. It's required for non-R404A refrigerants.

NEXT-GEN II • 3 TO 22 HP

**FLOODED // DISCUS COMPRESSOR // LOW TEMPERATURE // PRE-CONFIGURED BASE MODELS**  
 Includes sealed suction line filter, suction accumulator, defrost kit, and liquid Injection / Demand Cooling™

	Cabinet Size	Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)
<b>Low Temperature</b>	FD1	2DA3F23K	05	208-230/3/60	RFDS05L4SEALT	56,281	1,004
				460/3/60	RFDS05L4SGALT	59,296	
	FD2	3DB3F33K	08	208-230/3/60	RFDS08L4SEALT	68,973	1,213
				460/3/60	RFDS08L4SGALT	68,893	
		3DS3F46K	10	208-230/3/60	RFDS10L4SEALT	82,467	1,583
				460/3/60	RFDS10L4SGALT	81,177	
		4DHNF63K	15	208-230/3/60	RFDS15L4SEALT	90,728	2,454
				460/3/60	RFDS15L4SGALT	89,423	

Factory Mounted Options found on page 112

Demand Cooling™ is optional for Low Temp. Discus compressors. It's required for non-R404A refrigerants.

NEXT-GEN II • 3 TO 22 HP

NON-FLOODED // DISCUS COMPRESSOR // LOW TEMPERATURE // CONFIGURABLE BASE MODELS

Cabinet Size	Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)	
Low Temperature	FD1	03	208-230/3/60	RBDS03L4SEB	39,295	1,004	
			460/3/60	RBDS03L4SGB	42,155		
	FD1	04	208-230/3/60	RBDS04L4SEB	43,267	1,004	
			460/3/60	RBDS04L4SGB	46,166		
	FD1	05	208-230/3/60	RBDS05L4SEB	44,360	1,004	
			460/3/60	RBDS05L4SGB	47,650		
	FD2	3DA3F28K	06	208-230/3/60	RBDS06L4SEA	48,546	1,213
				460/3/60	RBDS06L4SGA	51,863	
		3DB3F33K	08	208-230/3/60	RBDS08L4SEA	54,575	1,213
				460/3/60	RBDS08L4SGA	57,250	
		3DF3F40K	09	208-230/3/60	RBDS09L4SEA	61,300	1,583
				460/3/60	RBDS09L4SGA	65,036	
		3DS3F46K	10	208-230/3/60	RBDS10L4SEA	66,712	1,583
				460/3/60	RBDS10L4SGA	67,898	
4DBNF54K		12	208-230/3/60	RBDS12L4SEA	68,075	1,927	
			460/3/60	RBDS12L4SGA	69,671		
4DHNF63K	15	208-230/3/60	RBDS15L4SEA	71,650	2,454		
		460/3/60	RBDS15L4SGA	72,816			
FD3	4DJNF76K	22	208-230/3/60	RBDS22L4SEA	81,454	3,024	
			460/3/60	RBDS22L4SGA	82,849		

Factory Mounted Options found on page 112

Demand Cooling™ is optional for Low Temp. Discus compressors. It's required for non-R404A refrigerants.

NEXT-GEN II • 3 TO 22 HP

FLOODED // SCROLL COMPRESSOR // MEDIUM TEMPERATURE // CONFIGURABLE BASE MODELS

Cabinet Size		Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)
Medium Temperature	FD1	ZS29KAE	04	208-230/3/60	RFOS04E4SEA	38,180	565
				460/3/60	RFOS04E4SGA	41,196	
		ZS33KAE	05	208-230/3/60	RFOS05E4SEA	38,860	585
				460/3/60	RFOS05E4SGA	41,819	
		ZS38K4E	06	208-230/3/60	RFOS06E4SEA	44,280	585
				460/3/60	RFOS06E4SGA	47,832	
	FD2	ZS45K4E	07	208-230/3/60	RFOS07E4SEA	45,141	969
				460/3/60	RFOS07E4SGA	48,507	
		ZB58K5E	08	208-230/3/60	RFOS08E4SEA	46,927	969
				460/3/60	RFOS08E4SGA	50,391	
		ZB66K5E	09	208-230/3/60	RFOS09E4SEA	49,523	1,041
				460/3/60	RFOS09E4SGA	52,626	
	ZB76K5E	10	208-230/3/60	RFOS10E4SEA	57,899	1,041	
			460/3/60	RFOS10E4SGA	60,101		
	FD3	ZB95K5E	13	208-230/3/60	RFOS13E4SEA	64,124	1,240
				460/3/60	RFOS13E4SGA	64,271	
		ZB114K5E	15	208-230/3/60	RFOS15E4SEA	71,597	1,250
				460/3/60	RFOS15E4SGA	74,867	

Factory Mounted Options found on page 112

NEXT-GEN II • 3 TO 22 HP

**FLOODED // SCROLL COMPRESSOR // MEDIUM TEMPERATURE // PRE-CONFIGURED BASE MODELS**  
 Includes standard electronic timer

	Cabinet Size	Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)
Medium Temperature	FD2	ZS45K4E	07	208-230/3/60	RFOS07E4SEAMT	46,230	969
				460/3/60	RFOS07E4SGAMT	49,596	
	FD2	ZB58K5E	08	208-230/3/60	RFOS08E4SEAMT	48,016	969
				460/3/60	RFOS08E4SGAMT	51,480	
	FD2	ZB76K5E	10	208-230/3/60	RFOS10E4SEAMT	58,988	1,041
				460/3/60	RFOS10E4SGAMT	61,190	
	FD3	ZB114K5E	15	208-230/3/60	RFOS15E4SEAMT	72,686	1,250
				460/3/60	RFOS15E4SGAMT	75,956	

Factory Mounted Options found on page 112

NEXT-GEN II • 3 TO 22 HP

NON-FLOODED // SCROLL COMPRESSOR // MEDIUM TEMPERATURE // CONFIGURABLE BASE MODELS

Cabinet Size		Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)
Medium Temperature	FD1	ZS29KAE	04	208-230/3/60	RBOS04E4SEB	36,254	565
				460/3/60	RBOS04E4SGB	39,270	
		ZS33KAE	05	208-230/3/60	RBOS05E4SEB	36,934	585
				460/3/60	RBOS05E4SGB	39,894	
		ZS38K4E	06	208-230/3/60	RBOS06E4SEB	42,355	585
				460/3/60	RBOS06E4SGB	45,905	
	FD2	ZS45K4E	07	208-230/3/60	RBOS07E4SEA	43,217	969
				460/3/60	RBOS07E4SGA	46,582	
		ZB58K5E	08	208-230/3/60	RBOS08E4SEA	44,113	969
				460/3/60	RBOS08E4SGA	47,512	
		ZB66K5E	09	208-230/3/60	RBOS09E4SEA	46,664	1,041
				460/3/60	RBOS09E4SGA	49,703	
	ZB76K5E	10	208-230/3/60	RBOS10E4SEA	54,877	1,041	
			460/3/60	RBOS10E4SGA	57,035		
	FD3	ZB95K5E	13	208-230/3/60	RBOS13E4SEA	60,983	1,240
				460/3/60	RBOS13E4SGA	61,128	
		ZB114K5E	15	208-230/3/60	RBOS15E4SEA	68,316	1,250
				460/3/60	RBOS15E4SGA	71,523	

Factory Mounted Options found on page 112

NEXT-GEN II • 3 TO 22 HP

FLOODED // SCROLL COMPRESSOR // LOW TEMPERATURE // CONFIGURABLE BASE MODELS

	Cabinet Size	Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)
Low Temperature	FD1	ZF25K4E	08	208-230/3/60	RFOS08L4SEA	43,505	969
				460/3/60	RFOS08L4SGA	46,076	
	FD2	ZF34K5E	10	208-230/3/60	RFOS10L4SEA	54,000	1,041
				460/3/60	RFOS10L4SGA	57,173	
		ZF41K5E	13	208-230/3/60	RFOS13L4SEA	61,031	1,240
				460/3/60	RFOS13L4SGA	62,076	
	FD3	ZF49K5E	15	208-230/3/60	RFOS15L4SEA	63,060	1,250
				460/3/60	RFOS15L4SGA	64,482	

NON-FLOODED // SCROLL COMPRESSOR // LOW TEMPERATURE // CONFIGURABLE BASE MODELS

	Cabinet Size	Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)
Low Temperature	FD1	ZF25K4E	08	208-230/3/60	RBOS08L4SEB	41,577	969
				460/3/60	RBOS08L4SGB	44,149	
	FD2	ZF34K5E	10	208-230/3/60	RBOS10L4SEA	52,072	1,041
				460/3/60	RBOS10L4SGA	55,249	
		ZF41K5E	13	208-230/3/60	RBOS13L4SEA	59,106	1,240
				460/3/60	RBOS13L4SGA	60,153	
	FD3	ZF49K5E	15	208-230/3/60	RBOS15L4SEA	61,136	1,250
				460/3/60	RBOS15L4SGA	62,559	

Factory Mounted Options found on page 112  
 Liquid Injection is standard on Low Temp. Scroll compressors.

NEXT-GEN II • 3 TO 22 HP

FLOODED // BITZER COMPRESSOR // MEDIUM TEMPERATURE // CONFIGURABLE BASE MODELS

Cabinet Size	Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)	
Medium Temperature	FD1	2DES-3	03	208-230/3/60	RFBS03E4SEA	45,583	1,004
				460/3/60	RFBS03E4SGA	48,573	
	FD1	2CES-4	04	208-230/3/60	RFBS04E4SEA	46,304	1,004
				460/3/60	RFBS04E4SGA	49,184	
	FD1	4FES-5	05	208-230/3/60	RFBS05E4SEA	47,049	1,004
				460/3/60	RFBS05E4SGA	49,825	
	FD2	4EES-6	06	208-230/3/60	RFBS06E4SEA	51,571	1,213
				460/3/60	RFBS06E4SGA	53,518	
		4DES-7	07	208-230/3/60	RFBS07E4SEA	56,028	1,213
				460/3/60	RFBS07E4SGA	57,145	
		4CES-9	08	208-230/3/60	RFBS08E4SEA	64,361	1,213
				460/3/60	RFBS08E4SGA	67,580	
4TES-12	10	208-230/3/60	RFBS10E4SEA	65,139	1,583		
		460/3/60	RFBS10E4SGA	68,987			
FD3	4PES-15	12	208-230/3/60	RFBS12E4SEA	67,906	1,927	
			460/3/60	RFBS12E4SGA	71,447		
	4NES-20	15	208-230/3/60	RFBS15E4SEA	69,454	2,454	
			460/3/60	RFBS15E4SGA	72,851		

Factory Mounted Options found on page 112

NEXT-GEN II • 3 TO 22 HP

NON-FLOODED // BITZER COMPRESSOR // MEDIUM TEMPERATURE // CONFIGURABLE BASE MODELS

Cabinet Size	Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)	
Medium Temperature	FD1	2DES-3	03	208-230/3/60	RBBS03E4SEB	43,660	1,004
				460/3/60	RBBS03E4SGB	46,649	
	FD1	2CES-4	04	208-230/3/60	RBBS04E4SEB	44,377	1,004
				460/3/60	RBBS04E4SGB	47,258	
	FD1	4FES-5	05	208-230/3/60	RBBS05E4SEB	45,129	1,004
				460/3/60	RBBS05E4SGB	47,901	
	FD2	4EES-6	06	208-230/3/60	RBBS06E4SEA	49,647	1,213
				460/3/60	RBBS06E4SGA	51,594	
		4DES-7	07	208-230/3/60	RBBS07E4SEA	54,104	1,213
				460/3/60	RBBS07E4SGA	55,223	
		4CES-9	08	208-230/3/60	RBBS08E4SEA	61,217	1,213
				460/3/60	RBBS08E4SGA	64,375	
4TES-12	10	208-230/3/60	RBBS10E4SEA	61,976	1,583		
		460/3/60	RBBS10E4SGA	65,752			
FD3	4PES-15	12	208-230/3/60	RBBS12E4SEA	64,694	1,927	
			460/3/60	RBBS12E4SGA	68,167		
	4NES-20	15	208-230/3/60	RBBS15E4SEA	66,210	2,454	
			460/3/60	RBBS15E4SGA	69,546		

Factory Mounted Options found on page 112

NEXT-GEN II • 3 TO 22 HP

FLOODED // BITZER COMPRESSOR // LOW TEMPERATURE // CONFIGURABLE BASE MODELS

Cabinet Size		Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)
Low Temperature	FD1	4FES-3	03	208-230/3/60	RFBS03L4SEA	40,426	1,004
				460/3/60	RFBS03L4SGA	42,012	
		4EES-4	04	208-230/3/60	RFBS04L4SEA	44,430	1,004
				460/3/60	RFBS04L4SGA	46,014	
		4DES-5	05	208-230/3/60	RFBS05L4SEA	46,686	1,004
				460/3/60	RFBS05L4SGA	48,435	
	4CES-6	06	208-230/3/60	RFBS06L4SEA	55,929	1,213	
			460/3/60	RFBS06L4SGA	58,197		
	FD2	4TES-9	07	208-230/3/60	RFBS08L4SEA	59,827	1,213
				460/3/60	RFBS08L4SGA	62,000	
		4PES-12	08	208-230/3/60	RFBS09L4SEA	64,051	1,213
				460/3/60	RFBS09L4SGA	66,108	
		4NES-14	10	208-230/3/60	RFBS10L4SEA	68,339	1,583
				460/3/60	RFBS10L4SGA	70,399	
4JE-15		12	208-230/3/60	RFBS12L4SEA	73,660	1,927	
			460/3/60	RFBS12L4SGA	75,718		
4HE-18	15	208-230/3/60	RFBS15L4SEA	79,104	2,454		
		460/3/60	RFBS15L4SGA	81,155			
FD3	4GE-23	22	208-230/3/60	RFBS22L4SEA	81,155	3,024	
			460/3/60	RFBS22L4SGA	84,152		

Factory Mounted Options found on page 112

NEXT-GEN II • 3 TO 22 HP

NON-FLOODED // BITZER COMPRESSOR // LOW TEMPERATURE // CONFIGURABLE BASE MODELS

	Cabinet Size	Compressor Model No.	Nom. H.P.	Voltage	Model No.	List Price (\$US)	4 Yr Compressor Protection Plan (Net Price Adder \$US)
Low Temperature	FD1	4FES-3	03	208-230/3/60	RBBS03L4SEB	38,502	1,004
				460/3/60	RBBS03L4SGB	40,087	
		4EES-4	04	208-230/3/60	RBBS04L4SEB	42,503	1,004
				460/3/60	RBBS04L4SGB	44,086	
		4DES-5	05	208-230/3/60	RBBS05L4SEB	44,760	1,004
				460/3/60	RBBS05L4SGB	46,507	
	4CES-6	06	208-230/3/60	RBBS06L4SEB	54,005	1,213	
			460/3/60	RBBS06L4SGB	56,274		
	FD2	4TES-9	07	208-230/3/60	RBBS08L4SEA	57,898	1,213
				460/3/60	RBBS08L4SGA	60,078	
		4PES-12	08	208-230/3/60	RBBS09L4SEA	62,123	1,213
				460/3/60	RBBS09L4SGA	64,181	
		4NES-14	10	208-230/3/60	RBBS10L4SEA	66,414	1,583
				460/3/60	RBBS10L4SGA	68,469	
	4JE-15	12	208-230/3/60	RBBS12L4SEA	71,735	1,927	
			460/3/60	RBBS12L4SGA	73,792		
	4HE-18	15	208-230/3/60	RBBS15L4SEA	77,179	2,454	
			460/3/60	RBBS15L4SGA	79,229		
FD3	4GE-23	22	208-230/3/60	RBBS22L4SEA	75,115	3,024	
			460/3/60	RBBS22L4SGA	82,226		

Factory Mounted Options found on page 112

Liquid Injection is optional on Low Temp. Bitzer compressors. It's required for non-R404A refrigerants.

NEXT-GEN II • 3 TO 22 HP

FACTORY INSTALLED OPTIONS // ELECTRICAL OPTIONS

Option Description (all options are factory mounted unless otherwise noted)	Option No.	H.P Range/ Cabinet	List Price Adder (\$US)
Through the Door Non-fused Disconnect Switch (only available mounted)	TDNM-3	3-10	3,162
	TDNM-4	12-22	3,537
External Fused Disconnect (available loose or mounted)	EFDM-2 (230V)	3 - 6	2,048
	EFDM-3 (230V)	7 - 10	2,434
	EFDM-4 (230V)	12 - 22	5,193
	EFDM-2 (460V)	3 - 6	2,404
	EFDM-3 (460V)	7 - 10	4,326
	EFDM-4 (460V)	12 - 22	7,141
Main Circuit Breaker	BKR-2	3 - 6	2,924
	BKR-3	7 - 10	3,682
	BKR-4	12 - 22	4,632
Phase Loss Monitor †	PLM	ALL	2,301
Anti Short Cycle Timer	ASC	ALL	1,361
Air Defrost Timer	TMR	ALL	1,132
Current Sensing Relay (Run proof)	CSR	ALL	1,508
Compressor Unloaders	UNL-1	When Available	4,232
Variable Speed EC Motors & Controller	-	FD1	5,136
	-	FD2 & FD3	8,720
Finkote2 Coil Coating	-	FD1	3,945
	-	FD2	6,580
	-	FD3	10,130

† Phase Loss monitor is a standard feature for K5 Scroll Series CoreSense modules. Extended Range models \*OS8E4S thru OS15E4s and Low Temp OS10L4L thru \*OS15L4S use K5 Series Scroll compressors. For all other models, option is only available on units that are 3 Phase.

FACTORY INSTALLED OPTIONS // DEFROST KITS

1 Unit Cooler per CU	Max Defrost Load	List Price (\$US)	2 Unit Coolers per CU	Max Defrost Load	List Price (\$US)	3 Unit Coolers per CU	Max Defrost Load	List Price (\$US)
DMA15	15	2,332	DMB35	35	3,533	DMC35	35	5,315
DMA20	20	2,332	DMB40	40	3,533	DMC40	40	5,315
DMA24	24	2,332	DMB48	48	3,533	DMC48	48	5,315
DMA30	30	2,332	DMB60	60	5,081	DMC60	60	6,570
DMA35	35	2,605	DMB96	96	5,081	DMC96	96	6,570
DMA40	40	2,605						
DMA48	48	2,605						
DMB60	60	5,081						
DMB96	96	5,081						

Note: All electric defrost kits include 1 fan contactor and are suitable for single or three phase loads. Defrost amp values are the maximum load for a kit. Smaller loads may be attached.

NEXT-GEN II • 3 TO 22 HP

FACTORY INSTALLED OPTIONS // MECHANICAL OPTIONS

Option Description <i>(all options are factory mounted unless otherwise noted)</i>	Option No.	H.P Range/ Cabinet	List Price Adder (\$US)
Suction Line Filter (sealed)	SK-5	3 - 8	911
	SK-6	9 - 10	1,546
	SK-7	12 - 22	2,409
Replaceable Core Suction Filter <sup>1</sup>	RSK-5	3 - 8	1,750
	RSK-6	9 - 10	2,389
	RSK-7	12 - 22	3,235
Replaceable Core Liquid Filter <sup>1</sup>	RLK-5	3 - 8	1,541
	RLK-6	9 - 10	1,751
	RLK-7	12 - 22	1,983
Suction Line Accumulator	ASK-4	3 - 8	1,541
	ASK-5	9 - 10	2,266
	ASK-6	12 - 22	4,731
Oil Separator	OS-1	3 - 6	2,623
	OS-2	7 - 10	2,794
	OS-3	12 - 22	3,282
Oversized Receivers	OSR-1	FD1	2,315
	OSR-2	FD2	1,296
	OSR-3	FD3	1,309
Pressure Relief Valve	RV	FD1 (standard receiver)	587
Heated & Insulated Receiver (temperature controlled with low pressure bypass timer)	HIR	ALL	1,524
Crankcase Pressure Regulator (Do not use with MOP style TXV's. Must provide refrigerant type, holding temperature, suction temperature, and maximum design capacity.)  Mounted for FD2 and FD3 cabinets only; loose for FD1 cabinet	CPR Valve	3 - 5	3,018
		6 - 9	3,345
		10 - 15	6,236
		22	9,756
Liquid Injection / Demand Cooling™ (Low Temp. Bitzer & Discus compressors)	LNJ	All Models	4,938
Hail / Snow Guards (shipped loose to prevent shipping damage. Requires field installation)	SG-E	1 Fan	1,866
	SG-F	2 Fan	2,550
	SG-G	2 Fan Tall	2,860
2 Unit Stacking Rack~ (shipped empty. Condensing units must be field installed.)	SR-2	FD1 or FD2	Call Factory
3 Unit Stacking Rack~ (shipped empty. Condensing units must be field installed.)	SR-3	FD1 or FD2	Call Factory

~ Requires field installation.

# QV-SERIES 15 TO 100 HP



## MODEL NOMENCLATURE

R	F	D	V	030	M	4S	G	A
Brand	Style	Compressor	Compressor Configuration	Horsepower	Temperature	Refrigerant	Voltage	Vintage <sup>^</sup>
R = Russell	F = Flooded B = Non=Flooded	D = Discus B = Bitzer	V = Single D = Dual P = Parallel Piped		L = Low M = Medium	4S = Multiple Refrigerants	E = 208-230/3/60 G = 460/3/60	A B

50 Hz available. Contact Factory for additional information.

<sup>^</sup> A Vintage has standard PSC motor(s). B Vintage has standard High Efficiency motors. For specific model number vintages, please refer to following price tables or contact factory.

## FEATURES & OPTIONS

● Standard ○ Optional

Available in single, dual or parallel compressor configurations from 15 to 100 HP	●
Pre-paint gray exterior/ G60 galvanized steel outdoor cabinet construction	●
Heavy gauge G90 galvanized steel frame	●
Award-winning floating coil design with generously sized condensers for energy savings	●
Integral sub-cooling circuit boosts energy efficiency	●
Mechanically formed pre-bent tubing reduces potential leaks	●
Separate power and control electrical panels	●
Swept wing fan/Venturi improves airflow and sound hinged and removable access panels	●
Flip top hinged Venturi panels for easy servicing	●
Floored compressor cabinet with removable compressor tray	●
LED control and compressor panel lighting	●

Continued on next page

# QV-SERIES 15 TO 100 HP



FEATURES & OPTIONS	● Standard	○ Optional
LED control and compressor panel lighting	●	○
110V service convenience outlet	●	○
Service gauge hooks	●	○
3 Phase condenser fan motors	●	○
Color-coded high and low pressure hoses	●	○
Electronic oil failure control	●	○
Horizontal receiver	●	○
Receiver isolation valves	●	○
Refrigerant relief valve	●	○
Replaceable core liquid line filter	●	○
Suction line and discharge line vibrasorbers	●	○
Liquid line isolation valve with sight glass	●	○
Single point alarm with liquid line solenoid lockout	●	○
Control circuit and condenser fan fusing	●	○
Condenser fan contactors	●	○
UL and cUL listed for outdoor use	●	○
Flooded (RF) Models include an adjustable head	●	○
Pressure control valve	●	○
Non-Flooded (RB) Models include electronic fan cycling control and a minimum charge monitor	●	○
Parallel Compressor Models (RF*P/ RB*P) include an oil management system	●	○
EC fan motors for variable speed	○	○
Air defrost timer or electric defrost components	○	○
Electric defrost kits available for up to 4 evaporators	○	○
Oversized receiver	○	○
Condenser coil coating	○	○
Liquid injection on low temperature compressors	○	○

QV-SERIES • 15 TO 100 HP

DISCUS COMPRESSOR // SINGLE COMPRESSOR // CONFIGURABLE BASE MODELS

	Nom. H.P.	Model No.	Comp. Model No. (1 per Unit)	Flooded		Non-Flooded		4 Yr Compressor Protection Plan (Net Price Adder \$US)
				208-230/3	460/3	208-230/3	460/3	
Medium Temp.	15	R*DV015M4S*A	3DS3R17ME	82,224	83,570	81,727	83,118	2,454
	20	R*DV020M4S*A	4DBNR20ME	91,006	92,288	89,070	90,892	3,024
	25	R*DV025M4S*A	4DHNR22ME	108,670	109,863	106,463	108,301	4,045
	30	R*DV030M4S*A	4DJNR28ME	127,015	128,402	120,138	121,629	4,195
	35	R*DV035M4S*A	6DHNR35ME	143,857	144,678	138,547	138,925	4,423
	40	R*DV040M4S*A	6DJNR40ME	158,309	160,509	152,198	154,429	5,106
	50	R*DV050M4S*A	6DUNR49ME	-	191,617	-	181,978	5,274
Low Temp.	22	R*DV022L4S*A	4DJNF76KE	102,228	104,378	102,210	103,503	3,024
	27	R*DV027L4S*A	6DHNF93KE	118,333	119,277	116,040	118,133	4,045
	30	R*DV030L4S*A	6DJNF11ME	130,737	131,940	128,041	130,186	4,195
	40	R*DV040L4S*A	6DUNF13ME	-	164,284	-	161,602	5,106

BITZER COMPRESSOR // SINGLE COMPRESSOR // CONFIGURABLE BASE MODELS

	Nom. H.P.	Model No.	Comp. Model No. (1 per Unit)	Flooded		Non-Flooded		4 Yr Compressor Protection Plan (Net Price Adder \$US)
				208-230/3	460/3	208-230/3	460/3	
Medium Temp.	15	R*BVO15M4S*A	4NE-20	82,224	83,570	81,727	83,118	2,454
	20	R*BVO20M4S*A	4JE-22	91,006	92,288	89,070	90,892	3,024
	25	R*BVO25M4S*A	4HE-25	108,670	109,863	106,463	108,301	4,045
	30	R*BVO30M4S*A	4GE-30	127,015	128,402	120,138	121,629	4,195
	35	R*BVO35M4S*A	6HE-35	143,857	144,678	138,547	138,925	4,423
	40	R*BVO40M4S*A	6GE-40	158,309	160,509	152,198	154,429	5,106
	50	R*BVO50M4S*A	6FE-50	190,191	191,617	180,624	181,978	5,274
Low Temp.	22	R*BVO22L4S*A	4GE-23	102,228	104,378	102,210	103,503	3,024
	27	R*BVO27L4S*A	6HE-28	118,333	119,277	116,040	118,133	4,045
	30	R*BVO30L4S*A	6GE-34	130,737	131,940	128,041	130,186	4,195
	40	R*BVO40L4S*A	6FE-44	163,062	164,284	160,715	161,602	5,106

Factory Mounted Options start on page 119

\* Represents Flooded (F) or Non-Flooded (B) & Voltage 208-230/3/60 (E) or 460/3/60 (G)

Demand Cooling/Liquid injection required for non-404A refrigerants on low temp applications with Discus and Bitzer compressors, respectively.

Head fan is required for certain low temp applications. Refer to product catalog for model specific information

"-" Not Available

QV-SERIES • 15 TO 100 HP

DISCUS COMPRESSOR // DUAL COMPRESSOR // CONFIGURABLE BASE MODELS

	Nom. H.P.	Model No.	Comp. Model No. (1 per Unit)	Flooded		Non-Flooded		4 Yr Compressor Protection Plan (Net Price Adder \$US)
				208-230/3	460/3	208-230/3	460/3	
Medium Temp.	30	R*DD030M4S*A	3DS3R17ME	164,451	167,141	163,453	166,235	4,195
	40	R*DD040M4S*A	4DBNR20ME	182,013	184,576	178,144	181,785	5,106
	50	R*DD050M4S*A	4DHNR22ME	217,342	219,726	212,927	216,610	5,274
	60	R*DD060M4S*A	4DJNR28ME	254,039	256,808	240,274	243,256	8,390
	70	R*DD070M4S*A	6DHNR35ME	287,711	289,359	277,094	277,853	8,846
	80	R*DD080M4S*A	6DJNR40ME	316,623	321,018	304,395	308,855	10,212
	100	R*DD100M4S*A	6DUNR49ME	-	383,237	-	363,956	10,548
Low Temp.	44	R*DD044L4S*A	4DJNF76KE	204,452	208,754	204,421	207,005	6,048
	54	R*DD054L4S*A	6DHNF93KE	236,661	238,551	232,081	236,266	8,090
	60	R*DD060L4S*A	6DJNF11ME	261,471	263,878	256,083	260,361	8,390
	80	R*DD080L4S*A	6DUNF13ME	-	328,573	-	323,204	10,212

BITZER COMPRESSOR // DUAL COMPRESSOR // CONFIGURABLE BASE MODELS

	Nom. H.P.	Model No.	Comp. Model No. (1 per Unit)	Flooded		Non-Flooded		4 Yr Compressor Protection Plan (Net Price Adder \$US)
				208-230/3	460/3	208-230/3	460/3	
Medium Temp.	30	R*BD030M4S*A	4NE-20	164,451	167,141	163,453	166,235	4,195
	40	R*BD040M4S*A	4JE-22	182,013	184,576	178,144	181,785	5,106
	50	R*BD050M4S*A	4HE-25	217,342	219,726	212,927	216,610	5,274
	60	R*BD060M4S*A	4GE-30	254,039	256,808	240,274	243,256	8,390
	70	R*BD070M4S*A	6HE-35	287,711	289,359	277,094	277,853	8,846
	80	R*BD080M4S*A	6GE-40	316,623	321,018	304,395	308,855	10,212
	100	R*BD100M4S*A	6FE-50	380,384	383,237	361,246	363,956	10,548
Low Temp.	44	R*BD044L4S*A	4GE-23	204,452	208,754	204,421	207,005	6,048
	54	R*BD054L4S*A	6HE-28	236,661	238,551	232,081	236,266	8,090
	60	R*BD060L4S*A	6GE-34	261,471	263,878	256,083	260,361	8,390
	80	R*BD080L4S*A	6FE-44	326,127	328,573	320,796	323,204	10,212

Factory Mounted Options start on page 119

\* Represents Flooded (F) or Non-Flooded (B) & Voltage 208-230/3/60 (E) or 460/3/60 (G)

Demand Cooling/Liquid injection required for non-404A refrigerants on low temp applications with Discus and Bitzer compressors, respectively.

Head fan is required for certain low temp applications. Refer to product catalog for model specific information

"-" Not Available

QV-SERIES • 15 TO 100 HP

DISCUS COMPRESSOR // PARALLEL PIPED COMPRESSOR // CONFIGURABLE BASE MODELS

	Nom. H.P.	Model No.	Comp. Model No. (2 per Unit)	Flooded		Non-Flooded		4 Yr Compressor Protection Plan (Net Price Adder \$US)
				208-230/3	460/3	208-230/3	460/3	
Medium Temp.	50	R*DP050M4S*A	4DHNR22ME	244,227	246,313	239,160	242,769	5,274
	60	R*DP060M4S*A	4DJNR28ME	278,647	281,178	262,686	265,514	8,390
	70	R*DP070M4S*A	6DHNR35ME	313,295	314,703	301,294	301,671	8,846
	80	R*DP080M4S*A	6DJNR40ME	339,809	345,107	326,161	331,519	10,212
	100	R*DP100M4S*A	6DUNR49ME	-	425,393	-	402,859	10,548
Low Temp.	44	R*DP044L4S*A	4DJNF76KE	231,919	236,179	231,885	234,184	6,048
	54	R*DP054L4S*A	6DHNF93KE	262,361	263,919	257,182	261,369	8,090
	60	R*DP060L4S*A	6DJNF11ME	285,540	287,681	279,529	283,794	8,390
	80	R*DP080L4S*A	6DUNF13ME	-	364,712	-	358,656	10,212

BITZER COMPRESSOR // PARALLEL PIPED COMPRESSOR // CONFIGURABLE BASE MODELS

	Nom. H.P.	Model No.	Comp. Model No. (2 per Unit)	Flooded		Non-Flooded		4 Yr Compressor Protection Plan (Net Price Adder \$US)
				208-230/3	460/3	208-230/3	460/3	
Medium Temp.	50	R*BP050M4S*A	4HE-25	244,227	246,313	239,160	242,769	5,274
	60	R*BP060M4S*A	4GE-30	278,647	281,178	262,686	265,514	8,390
	70	R*BP070M4S*A	6HE-35	313,295	314,703	301,294	301,671	8,846
	80	R*BP080M4S*A	6GE-40	339,809	345,107	326,161	331,519	10,212
	100	R*BP100M4S*A	6FE-50	422,225	425,393	399,856	402,859	10,548
Low Temp.	44	R*BP044L4S*A	4GE-23	231,919	236,179	231,885	234,184	6,048
	54	R*BP054L4S*A	6HE-28	262,361	263,919	257,182	261,369	8,090
	60	R*BP060L4S*A	6GE-34	285,540	287,681	279,529	283,794	8,390
	80	R*BP080L4S*A	6FE-44	422,225	364,712	355,982	358,656	10,212

Factory Mounted Options start on page 119

\* Represents Flooded (F) or Non-Flooded (B) & Voltage 208-230/3/60 (E) or 460/3/60 (G)

Demand Cooling/Liquid injection required for non-404A refrigerants on low temp applications with Discus and Bitzer compressors, respectively.

Head fan is required for certain low temp applications. Refer to product catalog for model specific information

"-" Not Available

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // SINGLE COMPRESSOR // COMPRESSOR & ELECTRICAL OPTIONS

	Option Description (all options are factory mounted unless otherwise noted)	Option Available On:	List Price Adder (\$US)
<b>Compressor Options</b>	Compressor Unloading with Pressure Control for 1 Cycle Bank	BV015M, 020M-30M, 050M; 022L - 040L	3,242
	Compressor Unloading with Pressure Control for 2 Cycle Bank	035M & 045M	5,430
	Compressor Unloading: Moduload	DV015M	8,001
	Head Cooling Fan	All Models	3,374
	Liquid Injection / Demand Cooling	022L - 040L	7,411
<b>Electrical and Control Panel Options</b>	Air Defrost Time Clock	All Medium Temperature Models	1,089
	Anti-Short Cycle Timer	All Models	940
	Condenser Fan Breaker & Control Circuit Breaker	015M -030M; 022L - 040L	1,879
		035M -050M	2,618
	EC Fan Motors with Electronic Variable Speed Control	015M -030M; 022L - 040L	Call Factory
		035M -050M	
	Thru-the-door Fused Disconnect	Models with MOPD < 61A	2,871
		Models with 61A < MOPD < 101A	4,252
		Models with 101A < MOPD < 201A	7,283
	Thru-the-door Main Breaker	Models with MOPD ≤ 100A	3,670
		Models with 101A < MOPD < 226A	5,953
	Thru-the-door Non-Fused Disconnect	Models with MCA < 59A	2,584
		Models with 59A < MCA > 99A	3,751
		Models with 99A < MCA < 199A	6,204
	Phase-Loss Monitor - 250A	230 V & 460 V	1,815
Phase-Loss Monitor - ICM450	230 V	2,646	
	460 V	1,881	

QV-Series Single Compressor Options continued on next page.

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // SINGLE COMPRESSOR // REFRIGERATION OPTIONS

	Option Description (all options are factory mounted unless otherwise noted)	Option Available On:	List Price Adder (\$US)
<b>Refrigeration Options</b>	Crankcase Pressure Regulator Valves	015M	6,372
		020M - 040M; 022L - 030L	8,026
		050M & 040L	15,928
	Fan Cycling - Temperature or Pressure	All Flooded Models; Standard on Non-Flooded Models	2,862
	Heat Reclaim Valve	All Models	6,623
	Heated & Insulated Receiver	All Models	5,040
	Hot Gas Bypass Tee & Ball Valve	All Models	1,553
	Hot Gas Bypass Tee, Ball Valve & Regulator	All Models	9,004
	Liquid-line Filter Isolation Valve (single valve)	All Models	896
	Liquid Line Solenoid Valve (shipped loose)	015M - 025M; 022L - 040L	1,113
		030M - 035M	1,423
		040M - 050M	2,152
	Oil Separator with Check Valve	015 - 030	3,088
		035 - 050	5,214
	Oil Separator with Check Valve & Oil Return Service Kit	015 - 030	6,836
		035 - 050	9,679
	Oversized Receiver	All Models	2,145
	Receiver Level Gauge	All Models	2,660
	Suction Accumulator - Standard	15	4,803
		020-050	5,555
	Suction Accumulator - Heat Exchanger	15	5,953
		020-050	9,215
	Suction-line Filter - Replaceable Core	015M	3,150
		020M - 040M; 022L - 030L	3,289
050M & 040L		4,112	
Suction-line Filter Isolation Valves	015M	1,470	
	020M - 040M; 022L - 030L	2,366	
	050M & 040L	4,116	
Suction-line Insulation	All Models	2,605	

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // DUAL COMPRESSOR // COMPRESSOR & ELECTRICAL OPTIONS

	Option Description (all options are factory mounted unless otherwise noted)	Option Available On:	List Price Adder (\$US)
<b>Compressor Options</b>	Compressor Unloading with Pressure Control for 1 Cycle Bank	BD030M, D040M - D060M, D100M; D044L - D080L	6,485
	Compressor Unloading with Pressure Control for 2 Cycle Bank	D070M & D080M	10,861
	Compressor Unloading: Moduload	DD030M	16,001
	Head Cooling Fan	All Models	6,750
	Liquid Injection / Demand Cooling	D044L - D080L	14,823
<b>Electrical and Control Panel Options</b>	Air Defrost Time Clock	All Medium Temperature Models	2,177
	Anti-Short Cycle Timer	All Models	1,880
	Condenser Fan Breaker	D030M -D060M; D044L - D080L	3,298
		D070M -D100M	4,774
	EC Fan Motors with Electronic Variable Speed Control	D030M -D060M; D044L - D080L	Call Factory
		D070M -D100M	
	Thru-the-door Fused Disconnect	Models with MOPD < 61A	2,871
		Models with 61A < MOPD < 101A	4,252
		Models with 101A < MOPD < 201A	7,283
	Thru-the-door Main Breaker	Models with MOPD ≤ 100A	3,670
		Models with 101A < MOPD < 226A	5,953
	Thru-the-door Non-Fused Disconnect	Models with MCA < 59A	2,584
		Models with 59A < MCA > 99A	3,751
Models with 99A < MCA < 199A		6,204	
Phase-Loss Monitor - 250A	230 V & 460 V	3,629	
Phase-Loss Monitor - ICM450	460 V	3,763	

QV-Series Dual Compressor Options continued on next page.

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // DUAL COMPRESSOR // REFRIGERATION OPTIONS

	Option Description (all options are factory mounted unless otherwise noted)	Option Available On:	List Price Adder (\$US)
<b>Refrigeration Options</b>	Crankcase Pressure Regulator Valves	D030M	12,743
		D040M - D080M; D044L - D060L	16,052
		D100M & D080L	31,857
	Fan Cycling - Temperature or Pressure	All Flooded Models; Standard on Non-Flooded Models	5,726
	Heat Reclaim Valve	All Models	13,246
	Heated & Insulated Receiver	All Models	10,080
	Hot Gas Bypass Tee & Ball Valve	All Models	3,108
	Hot Gas Bypass Tee, Ball Valve & Regulator	All Models	18,009
	Liquid-line Filter Isolation Valve (single valve per circuit)	All Models	1,793
	Liquid Line Solenoid Valve (shipped loose)	030M - 050M; 044L - 080L	2,227
		060M - 070M	2,847
		080M - 100M	4,304
	Oil Separator with Check Valve	D030 - D060	6,175
		D070 - D100	10,427
	Oil Separator with Check Valve & Oil Return Service Kit	D030 - D060	13,671
		D070 - D100	19,358
	Oversized Receiver	All Models	4,291
	Receiver Level Gauge	All Models	5,321
	Suction Accumulator - Standard	D030	9,606
		D040-D100	11,111
	Suction Accumulator - Heat Exchanger	D030	11,907
		D040-D100	18,432
Suction-line Filter - Replaceable Core	D030M	6,299	
	D040M - D080M; D044L - D060L	6,577	
	D100M & D080L	8,224	
Suction-line Filter Isolation Valves	D030M	2,940	
	D040M - D080M; D044L - D060L	4,732	
	D100M & D080L	8,232	
Suction-line Insulation	All Models	5,210	

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // PARALLEL-PIPED COMPRESSOR // COMPRESSOR & ELECTRICAL OPTIONS

	Option Description (all options are factory mounted unless otherwise noted)	Option Available On:	List Price Adder (\$US)
<b>Compressor Options</b>	Compressor Unloading with Pressure Control for 1 Cycle Bank	P050M - P060M, P100M; P044L - P080L	6,485
	Compressor Unloading with Pressure Control for 2 Cycle Bank	P070M & P080M	10,861
	Head Cooling Fan	All Models	6,750
	Liquid Injection / Demand Cooling	P044L - P080L	14,823
<b>Electrical and Control Panel Options</b>	Air Defrost Time Clock	All Medium Temperature Models	1,089
	Anti-Short Cycle Timer	All Models	940
	Condenser Fan Breaker & Control Circuit Breaker	P050M -P060M; P044L - P080L	1,879
		P070M -P100M	2,618
	EC Fan Motors with Electronic Variable Speed Control	P050M -P060M; P044L - P080L	Call Factory
		P070M -P100M	
	Thru-the-door Fused Disconnect	Models with MOPD < 61A	2,871
		Models with 61A < MOPD < 101A	4,252
		Models with 101A < MOPD < 201A	7,283
	Thru-the-door Main Breaker	Models with MOPD ≤ 100A	3,670
		Models with 101A < MOPD < 226A	5,953
	Thru-the-door Non-Fused Disconnect	Models with MCA < 59A	2,584
		Models with 59A < MCA > 99A	3,751
		Models with 99A < MCA < 199A	6,204
	Phase-Loss Monitor - 250A	230 V & 460 V	1,815
Phase-Loss Monitor - ICM450	460 V	1,881	

QV-Series Parallel-Piped Compressor Options continued on next page.

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // PARALLEL-PIPED COMPRESSOR // REFRIGERATION OPTIONS

	Option Description (all options are factory mounted unless otherwise noted)	Option Available On:	List Price Adder (\$US)
<b>Refrigeration Options</b>	Crankcase Pressure Regulator Valves	P050M-P60M	16,052
		P070M-P100M; P044L - P080L	18,739
	Fan Cycling - Temperature or Pressure	All Flooded Models; Standard on Non-Flooded Models	5,726
	Heat Reclaim Valve	All Models	6,623
	Heated & Insulated Receiver	All Models	5,040
	Hot Gas Bypass Tee & Ball Valve	All Models	1,553
	Hot Gas Bypass Tee, Ball Valve & Regulator	All Models	9,004
	Liquid-line Filter Isolation Valve (single valve per circuit)	All Models	896
	Liquid Line Solenoid Valve (shipped loose)	050M - 060M	8,922
		070M - 100M	3,639
		044L - 080L	1,395
	Oversized Receiver	All Models	2,145
	Receiver Level Gauge	All Models	2,660
	Suction Accumulator - Standard	P050M-P60M	6,666
		P070M-P100M; P044L - P080L	7,255
	Suction Accumulator - Heat Exchanger	P050M-P60M	9,215
		P070M-P100M; P044L - P080L	10,184
	Suction-line Filter - Replaceable Core	P050M-P60M	2,944
		P070M-P100M; P044L - P080L	3,289
	Suction-line Filter Isolation Valves	P050M-P60M	4,112
P070M-P100M; P044L - P080L		6,499	
Suction-line Insulation	All Models	5,210	

## QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // FINKOTE2 COIL COATING // ALL STANDARD &amp; OVERSIZED COIL MODELS

	Option Description	Option Available On:	List Price Adder (\$US)
Finkote2 Coating	1x2 Finkote2 Coil Coating	Std. and Oversized models with 2 fan Condenser	18,000
	1x3 Finkote2 Coil Coating	Std. and Oversized models with 3 fan Condenser	27,000
	2x2 Finkote2 Coil Coating	Std. and Oversized models with 2 x 2 fan Condenser	25,000
	2x3 Finkote2 Coil Coating	Std. and Oversized models with 2 x 3 fan Condenser	35,000

QV-SERIES • 15 TO 100 HP

**DEFROST KIT NOMENCLATURE**

DL	A	24	-
Kit Designator	Heater Contactor QTY	Max Total Heater Amp Value	Special Kit Codes
	A - 1		-1: 1 Evaporator with Multiple Heater Feeds
	B - 2		-2: 2 Evaporators with Multiple Heater Feeds
	C - 3		PP: Pressure Prop Kits for Large Evaporators
	D - 4		

NOTES:

- When selecting defrost kit, use the next higher amp value above the defrost load.
- All kits include 1 fan contactor and are suitable for 1 or 3 phase loads.
- Electrical resistance loads greater than 48 amps must be split into multiple circuits.

FACTORY INSTALLED OPTIONS // DEFROST KITS // SINGLE & PARALLEL-PIPED COMPRESSOR MODELS

1 Heater Contactor		2 Heater Contactors		3 Heater Contactors		4 Heater Contactors	
Kit Model	List Price (\$US)	Kit Model	List Price (\$US)	Kit Model	List Price (\$US)	Kit Model	List Price (\$US)
DLA24 <sup>1</sup>	3,000						
DLA30 <sup>1</sup>	3,118						
DLA35 <sup>1</sup>	3,510	DLB35 <sup>1</sup>	4,478	DLC35	6,118		
DLA40 <sup>1</sup>	3,510	DLB40 <sup>1</sup>	4,478	DLC40	6,118		
DLA48 <sup>1</sup>	3,510	DLB48 <sup>1</sup>	4,478	DLC48	6,118		
		DLB60 <sup>124</sup>	4,657	DLC60 <sup>1</sup>	6,118	DLD60	7,236
		DLB96 <sup>124</sup>	5,640	DLC96 <sup>1</sup>	6,489	DLD96	7,293
				DLC144 <sup>1</sup>	8,840	DLD144 <sup>35</sup>	8,900
						DLD192 <sup>35</sup>	9,354

FACTORY INSTALLED OPTIONS // DEFROST KITS // DUAL COMPRESSOR MODELS

For Dual Units, 2 Defrost Kits Required, Only 2 Contactor Kits can be used on Dual Units

1 Heater Contactor per Compressor		2 Heater Contactors per Compressor	
Kit Model	List Price (\$US)	Kit Model	List Price (\$US)
DLA24 <sup>1</sup>	3,000		
DLA30 <sup>1</sup>	3,118		
DLA35 <sup>1</sup>	3,510	DLB35 <sup>1</sup>	4,478
DLA40 <sup>1</sup>	3,510	DLB40 <sup>1</sup>	4,478
DLA48 <sup>1</sup>	3,510	DLB48 <sup>1</sup>	4,478
		DLB60 <sup>124</sup>	4,657
		DLB96 <sup>124</sup>	5,640

Defrost Kit selected for Single and Parallel compressor models is for entire unit. Up to 4 contactors.  
 Defrost Kit selected is per compressor for Dual compressor models. Up to 2 contactors/compressor.

1. Defrost Kit Available with Pressure Prop Kit for Large Evaporators (Special Kit Code: PP)
2. Defrost Kit Available for Evaporator with Multiple Heater Feeds (Special Kit Code: -1)
3. Defrost Kit Available for 2 Evaporators with Multiple Heater Feeds (Special Kit Code: -2)
4. Defrost Kit Available for Evaporator with Multiple Heater Feeds & Pressure Prop Kit (Special Kit Code: -1PP)
5. Defrost Kit Available for 2 Evaporators with Multiple Heater Feeds & Pressure Prop Kit (Special Kit Code: -2PP)

QV-Series Defrost Kit Options continued on next page.

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // TIMER/FAN CONTACTOR // SINGLE & PARALLEL-PIPED COMPRESSOR MODELS

1 Fan Contactor & Defrost Timer		
Kit Model	Max Motor Amps	List Price (\$US)
TMR-EF-15A	15	1,655
TMR-EF-30A	30	1,754

FACTORY INSTALLED OPTIONS // TIMER/FAN CONTACTOR // SINGLE & PARALLEL-PIPED COMPRESSOR MODELS

Max Heater Amps	1 Heater Contactor		2 Heater Contactors		3 Heater Contactors		4 Heater Contactors	
	Fuseblock List Price (\$US)	Circuit Breaker List Price (\$US)	Fuseblock List Price (\$US)	Circuit Breaker List Price (\$US)	Fuseblock List Price (\$US)	Circuit Breaker List Price (\$US)	Fuseblock List Price (\$US)	Circuit Breaker List Price (\$US)
24	199	1,494						
30	266	2,324						
35	266	2,324	266	2,756	394	2,960		
40	266	2,324	266	2,756	394	2,960		
48	266	2,324	266	2,756	394	2,960		
60			371	4,635	567	4,895	611	5,124
96			475	4,667	648	6,237	783	6,428
144					820	6,449	1,071	7,741
192							1,078	7,823

Dual Compressor Units require 2 Fuse blocks & 2 Circuit Breaker, 1 per compressor. Up to 2 contactors/compressor. When selecting the circuit breaker option, evaporator heater contactors and evaporator fan contactors are included.

# **WATER-COOLED**

## CONDENSING UNITS

# NEXT-GEN WC-SERIES™ 1/2 TO 6 HP



## MODEL NOMENCLATURE

R	W	O	500	M	4S	E	A
Brand	Style	Compressor	Horsepower	Temperature	Refrigerant	Voltage	Vintage
R = Russell	F = Flooded B = Non-Flooded	D = Discus O = Scroll B = Bitzer		E = Extended Medium L = Low M = Medium	4S = Multiple Refrigerants	E = 208-230/3/60 G = 460/3/60 N = 200-220/3/50 Q = 380/3/50	A

50 Hz available. Contact Factory for additional information.

## FEATURES & OPTIONS

● Standard ○ Optional

Hermetic or quiet and efficient Scroll compressor	●
High efficiency water cooled coaxial condenser	●
Base mounted shut-off valves	●
Liquid line kit with filter/drier and sight glass with moisture indicator	●
Suction and discharge service valves (as required)	●
Compressor contactor or start kit (as required)	●
Suction line piping (filter optional)	●
Color-coded point-to-point wiring	●
Large electrical panel with hinged/removable door	●
Refrigerant receiver with isolation valve and pressure relief plug	●
Adjustable high pressure (auto reset) and low pressure (auto reset) controls	●
Electronic defrost timer with defrost contactor/relay on low temperature models (2 evaps. maximum)	●
Electronic air defrost timer (Medium Temperature models only)	●
UL and cUL listed for indoor use	●
Air or electric defrost provisions	○
Cupronickel heat exchanger and water piping	○
Crankcase heater	○
Water regulating valve	○
Replaceable core liquid filter	○
Replaceable core suction filter	○
Two-tier stacking rack	○

NEXT-GEN WC-SERIES • 1/2 TO 6 HP

**WATER-COOLED // HERMETIC COMPRESSOR // CONFIGURABLE BASE MODELS**  
 Includes Liquid Line Kit with Filter/Drier and Sight Glass with Moisture Indicator, and Defrost Timer or Kit

	Frame Size	Nom. H.P.	Comp. Model No.	Model No.	List Price (\$US)			4 Yr Compressor Protection Plan (Net Price Adder \$US)
					208-230/1/60	208-230/3/60	460/3/60	
Extended Med. Temp	FW1	1/2	RST45C1E	RWH055E4S*A	8,991	-	-	224
	FW1	1/2	RST55C1E	RWH080E4S*A	9,176	-	-	224
	FW1	3/4	RST64C1E	RWH090E4S*A	9,454	-	-	224
	FW1	3/4	RST70C1E	RWH100E4S*A	10,210	10,556	-	224
	FW2	1	RST97C1E	RWH125E4S*A	10,942	10,856	-	246

**WATER-COOLED // SCROLL COMPRESSOR // CONFIGURABLE BASE MODELS**  
 Includes Liquid Line Kit with Filter/Drier and Sight Glass with Moisture Indicator, and Defrost Timer or Kit

	Frame Size	Nom. H.P.	Comp. Model No.	Model No.	List Price (\$US)			4 Yr Compressor Protection Plan (Net Price Adder \$US)
					208-230/1/60	208-230/3/60	460/3/60	
Med. Temp	FW1	1/2	ZB06KAE	RWO060M4S*A	16,060	16,084	-	416
	FW1	1/2	ZB07KAE	RWO080M4S*A	16,217	16,272	-	416
	FW1	1	ZB08KAE	RWO100M4S*A	16,377	16,484	-	416
Extended Medium Temp	FW1	1-1/3	ZS09KAE	RWO130E4S*A	16,556	16,722	17,337	416
	FW2	1-1/2	ZS11KAE	RWO150E4S*A	17,712	17,883	18,492	416
	FW2	1-3/4	ZS13KAE	RWO180E4S*A	18,135	18,301	18,912	416
	FW3	2	ZS15KAE	RWO200E4S*A	18,449	18,615	19,227	416
	FW3	2-1/2	ZS19KAE	RWO250E4S*A	18,662	18,868	19,592	416
	FW4	3	ZS21KAE	RWO300E4S*A	18,944	19,186	20,024	546
	FW4	3-1/2	ZS26KAE	RWO350E4S*A	20,126	20,386	20,983	546
	FW4	4	ZS29KAE	RWO400E4S*A	20,768	21,056	21,635	565
	FW4	4-1/2	ZS33KAE	RWO450E4S*A	20,505	20,796	21,551	565
	FW4	5	ZS38K4E	RWO500E4S*A	21,530	21,828	22,759	585
FW4	6	ZS45K4E	RWO600E4S*A	-	25,191	25,598	585	

Factory Mounted Options start on page 97  
 \* represents Voltage. "D" for 230/1/60, "E" for 280-230/3/60 and "G" for 460/3/60  
 "-" Not Available  
 Continued on next page

NEXT-GEN WC-SERIES • 1/2 TO 6 HP

**WATER-COOLED // SCROLL COMPRESSOR // CONFIGURABLE BASE MODELS (continued)**  
 Includes Liquid Line Kit with Filter/Drier and Sight Glass with Moisture Indicator, and Defrost Timer or Kit

	Frame Size	Nom. H.P.	Comp. Model No.	Model No.	List Price (\$US)			4 Yr Compressor Protection Plan (Net Price Adder \$US)
					208-230/1/60	208-230/3/60	460/3/60	
<b>Low Temperature</b>	FW2	1	ZF03KAE	RWO100L4S*A	16,827	17,754	-	416
	FW2	1-1/3	ZF04KAE	RWO130L4S*A	17,239	18,064	-	416
	FW2	1-1/2	ZF05KAE	RWO160L4S*A	17,775	18,487	-	416
	FW2	2	ZF07KAE	RWO230L4S*A	18,779	19,028	19,624	416
	FW3	2-1/2	ZF08K4E	RWO250L4S*A	19,427	19,701	19,910	416
	FW3	3	ZF09K4E	RWO300L4S*A	19,899	20,192	22,612	546
	FW3	3-1/2	ZF11K4E	RWO350L4S*A	20,800	21,095	21,592	546
	FW4	4	ZF13K4E	RWO400L4S*A	21,695	21,975	22,474	565
	FW4	5	ZF15K4E	RWO500L4S*A	21,975	22,249	22,764	585
	FW4	6	ZF18K4E	RWO600L4S*A	-	25,083	26,444	585

Factory Mounted Options start on page 97

\* represents Voltage. "D" for 230/1/60, "E" for 280-230/3/60 and "G" for 460/3/60

"-" Not Available

## NEXT-GEN WC-SERIES • 1/2 TO 6 HP

## FACTORY MOUNTED OPTIONS

Option Description (all options are factory mounted unless otherwise noted)	H.P Range/Cabinet	List Price Adder (\$US)
Water Regulating Valve (shipped loose)	0.5 - 2.0	1,148
	2.5 - 3.5	1,247
	4.0 - 4.5	1,400
	5.0 - 6.5	2,062
Cupronickel Water Regulating Valve	ALL	Contact Factory
External Fused Disconnect (Mounted)	FW1 - FW2	1,029
	FW3 - FW4	1,896
External Fused Disconnect (Loose)	FW4	1,737
Liquid Line with Premium Components: Replaceable Core Filter/Drier	FW4	961
Suction Line Components: Sealed Filter	FW1	623
	FW2 - FW4	743
Suction Line Components: Replaceable Core Filter	FW4	2,186
Suction Accumulator	FW1	962
	FW2 - FW4	1,484
Oil Separator	FW4	2,361
Compressor Pump-down Switch	ALL	615
Phase Loss Monitor (only available on units that are 3 Phase)	ALL	2,134
Cupronickel Heat Exchanger	ALL	Contact Factory
Two-Tiered Stacking Rack (shipped loose)	ALL	Contact Factory
Heated & Insulated Receiver (temperature controlled w/low pressure bypass timer)	ALL	1,302
Thru The Door - Non - Fused - Disconnect Switch	FW1 - FW2	915
	FW3 - FW4	1,216
Remove Standard Defrost Kit (Low Temp only)	ALL	(1,119)
Remove Standard Air Defrost Timer (Medium Temp only)	ALL	(929)
Substitute Standard Air Defrost Timer For Standard Defrost Kit (ED5-ED11) Medium Temp only. For Defrost Kit Options, please see page 94	ALL	190

NEXT-GEN WC-SERIES • 1/2 TO 6 HP

**ELECTRIC DEFROST KITS - DEFROST KIT NOMENCLATURE**

<b>ED</b>	<b>1</b>	<b>2</b>	<b>-</b>	<b>M</b>	<b>48</b>
Kit Designator	Unit Coolers per System	Defrost Kit Identifier		Defrost Heater Phase	Defrost Heater Voltage
	1, 2, or 3			A - 1 Phase Fan Motor(s), 1 Phase Heater(s) B - 1 Phase Fan Motor(s), 3 Phase Heaters(s) C - 3 Phase Fan Motor(s), 3 Phase Heater(s)	2 - 208-230 4 - 460

**Electric Defrost Kits - Descriptions**

The MiniCon Electric Defrost System provides unique features that other defrost systems lack. These energy saving features are as follows:

- The auxiliary switch on 3 phase systems and block-out relays on 1 phase systems prevents the defrost heaters from energizing when the compressor is in operation. This features holds the maximum amp draw to the largest single load that the system will draw, and therefore reduces the electrical service requirement to the condensing unit.
- On multiple evaporator systems, individual defrost contactors are used in conjunction with sequencing relays to allow each evaporator to terminate defrost independently. This efficient method of defrost saves electricity, and reduces the potential of overheating and steaming the evaporators. In addition, the amount of heat added to the room is kept to a minimum, reducing the run time of the condensing unit.

**Electric Defrost Kits - Definitions**

- Timer - Initiates the defrost cycle. Also used as override protection for defrost termination.
- Auxiliary Switch - Mounted on the compressor contactor, it prevents the defrost contactor from operating whenever the compressor is energized.
- Block-out Relay - Serves the same function as auxiliary switch, except used when defrost contactor is not required (single phase only).
- Fan Contactor - Used with 460 V motors or when 230 V motors are wired for 3 phase power.
- Defrost Contactor - Carries amperage load for heaters. Contactor selection is based on the maximum resistive load rating of the contactor.
- Relays - Provides interconnection of multiple unit coolers on a single system so that each unit cooler is allowed to individually terminate defrost on temperature.

## NEXT-GEN WC-SERIES • 1/2 TO 6 HP

## ELECTRIC DEFROST KITS // KIT NUMBERS

Kit No.	Timer	Auxiliary Relays	Block-out Relays	Defrost Heater Contactor (1) <sup>†</sup>	Fan Contactor <sup>‡</sup>	Sequencing Relay
ED-5	1	-	1-15A	-	-	-
ED-6	1	-	1-20A	-	-	-
ED-7	1	-	1-25A	-	-	-
ED-10	1	-	1-30A	-	-	-
ED-20	1	-	1-30A	-	-	2
ED-17	1	1	-	1-15A	1-25A	-
ED-11	1	1	-	1-30A	-	-
ED-12	1	1	-	1-30A	1-25A	-
ED-14	1	1	-	1-50A	1-25A	-
ED-21	1	1	-	2-15A	-	2
ED-22	1	1	-	2-15A	1-25A	2
ED-23	1	1	-	2-25A	-	2
ED-24	1	1	-	2-25A	1-25A	2

## POWER CONNECTION

Factory installed components on the condensing unit in place of the defrost provisions to allow for powering EcoNet<sup>®</sup> enabled evaporators

Kit Model	Max Amps	List Price (\$US)
EF-30A	30A	670
EF-60A	60A	877

<sup>†</sup> Heater contactor amperage is based on its resistive rating.

<sup>‡</sup> Fan motor contactor amperage is based on its inductive rating.

NEXT-GEN WC-SERIES • 1/2 TO 6 HP

ELECTRIC DEFROST KITS // PRICING

Quantity of Unit Coolers Per System	Description	Defrost Kit No.				List Price Adder (Only Available Mounted)
		1 PH. FANS 1 PH. HTRS	1 PH. FANS 3 PH. HTRS	230 V	460 V	
				3 PH. FANS 3 PH. HTRS	3 PH. FANS 3 PH. HTRS	
DEFROST KITS WHEN THE EVAPORATOR FAN MOTORS ARE WIRED FOR 230/1						
1	Up to 15 Amps Heater (w/ relay)	ED5-A2	-	-	-	1,120
	20 Amps Heater (w/ relay)	ED6-A2	-	-	-	1,120
	25 Amps Heater (w/ relay)	ED7-A2	-	-	-	1,120
	Up to 30 Amps Heater (w/ relay)	ED10-A2	-	-	-	1,120
	30 Amps - Heater (w/ contactors)	-	ED11-B2	-	-	1,120
2	Up to 15 Amps Heaters each (w/relays)	ED20-A2	-	-	-	3,494
	15 Amps Heaters each	ED21-A2	ED21-B2	-	-	3,494
	25 Amps Heaters each (w/ relays)	ED23-A2	-	-	-	3,592
	25 Amps Heaters each (w/ contactors)	-	ED23-B2	-	-	3,592
DEFROST KITS WHEN THE EVAPORATOR FAN MOTORS ARE WIRED FOR 230/3, 460/3, OR 460/1.						
1	Up to 25 Amps Heater	ED17-A4	-	-	-	1,120
	30 Amps Heater	ED12-A4	ED12-BX	ED12-C2	ED12-C4	2,550
	50 Amps Heater	-	ED14-BX	ED14-C2	ED14-C4	2,985
2	Up to 15 Amps Heaters per Unit Cooler	-	ED22-BX	ED22-C2	ED22-C4	4,291
	25 Amps Heaters per Unit Cooler	-	ED24-BX	ED24-C2	ED24-C4	4,291

NOTE: Defrost Kits are only available factory mounted and cannot be shipped loose.

# AIR-COOLED CONDENSERS

Available with 1 to 14 fans in single and double fan width models with vertical or horizontal air flow

# QUANTUM AIR™ LARGE CONDENSER



## MODEL NOMENCLATURE

R	D	D	087	G	D	3	A
Brand	Series	Width	MBTUH*	Voltage	Motor	No. of Fans	Vintage
R = Russell	D = Condenser	S = Single Wide D = Double Wide		E = 208-230/3/60 G = 460/3/60 N = 200-220/3/50 Q = 380/3/50 X = Non-Catalogued	B = 1140 RPM, 1.5 HP D = 850 RPM, 1.5 HP L = 850 RPM, 1 HP E = 550 RPM, 1/3 HP G = 900 RPM Rail Mount Variable Speed EC K = 1200 RPM Rail Mount Variable Speed EC	1 to 7	

\*Capacity at 10 FPI per 1°F TD

## FEATURES & OPTIONS

● Standard ○ Optional

Inverter duty rail mounted motors	●	Heavy gauge painted galvanized steel construction	●
Vertical air flow	●	Heavy duty lifting eyes for equipment rigging	●
Motors with inherent thermal overload protection	●	UL and cUL listed for outdoor use	●
3/8"refrigerant saving copper tube, aluminum fin coils*	●	LED control panel lighting	●
650 PSIG working pressure	●	Flooded head pressure control	○
Vinyl coated heavy gauge steel fan guards	●	Fan cycling head pressure control	○
Swept wing fan/Venturi improves airflow and sound	●	Sub-cooling circuit	○
Hinged Venturi panels for easy servicing	●	Multi-circuited coils	○
Hinged leg design for simple installation	●	Wide selection of fin coatings and materials	○
Proprietary floating coil design	●	Multiple control panel locations	○
Thru-the-door non-fused disconnect switch	●	Fixed box style legs	○

QUANTUM AIR™

MODELS WITH 1140 RPM, 1.5 HP MOTORS

	Model No.	List Price (\$US)				Fan Configuration
		8 FPI	10 FPI	12 FPI	14 FPI	
Single Fan Width	RDS004^B1A	13,317	14,065	14,813	15,561	1 x 1
	RDS006^B1A	16,940	17,688	18,436	19,184	1 x 1
	RDS007^B1A	18,917	19,665	20,413	21,161	1 x 1
	RDS012^B2A	27,851	29,347	30,843	32,339	1 x 2
	RDS015^B2A	38,301	39,797	41,293	42,789	1 x 2
	RDS018^B2A	45,367	46,863	48,359	49,855	1 x 2
	RDS022^B3A	56,010	58,254	60,498	62,742	1 x 3
	RDS027^B3A	65,192	67,436	69,680	71,924	1 x 3
	RDS030^B4A	78,245	81,237	84,229	87,221	1 x 4
	RDS036^B4A	88,487	91,479	94,471	97,463	1 x 4
	RDS039^B5A	97,622	101,362	105,102	108,842	1 x 5
	RDS047^B5A	113,544	117,284	121,024	124,764	1 x 5
	RDS056^B6A	135,880	140,368	144,856	149,344	1 x 6
	RDS065^B7A	159,660	164,896	170,132	175,368	1 x 7
Double Fan Width	RDD022^B2A	57,507	60,499	63,491	66,483	2 x 2
	RDD030^B2A	76,466	79,458	82,450	85,442	2 x 2
	RDD036^B2A	89,015	92,007	94,999	97,991	2 x 2
	RDD045^B3A	114,377	118,865	123,353	127,841	2 x 3
	RDD054^B3A	133,773	138,261	142,749	147,237	2 x 3
	RDD059^B4A	153,140	159,124	165,108	171,092	2 x 4
	RDD072^B4A	176,704	182,688	188,672	194,656	2 x 4
	RDD078^B5A	195,247	202,727	210,207	217,687	2 x 5
	RDD094^B5A	227,429	234,909	242,389	249,869	2 x 5
	RDD113^B6A	271,726	280,702	289,678	298,654	2 x 6
RDD131^B7A	320,098	330,570	341,042	351,514	2 x 7	

Factory Mounted Options start on page 144

^ Represents Voltage. "E" - 208-230/3/60, "G" - 460/3/60, "N" - 200-220/3/50 or "Q" - 380/3/50.

QUANTUM AIR™

MODELS WITH 850 RPM, 1.5 HP MOTORS

	Model No.	List Price (\$US)				Fan Configuration
		8 FPI	10 FPI	12 FPI	14 FPI	
Single Fan Width	RDS004^D1A	13,183	13,931	14,679	15,427	1 x 1
	RDS005^D1A	16,835	17,583	18,331	19,079	1 x 1
	RDS007^D1A	18,756	19,504	20,252	21,000	1 x 1
	RDS010^D2A	28,477	29,973	31,469	32,965	1 x 2
	RDS014^D2A	38,185	39,681	41,177	42,673	1 x 2
	RDS015^D2A	42,334	43,830	45,326	46,822	1 x 2
	RDS021^D3A	56,350	58,594	60,838	63,082	1 x 3
	RDS024^D3A	63,778	66,022	68,266	70,510	1 x 3
	RDS028^D4A	76,524	79,516	82,508	85,500	1 x 4
	RDS032^D4A	85,791	88,783	91,775	94,767	1 x 4
	RDS035^D5A	93,573	97,313	101,053	104,793	1 x 5
	RDS043^D5A	112,284	116,024	119,764	123,504	1 x 5
	RDS052^D6A	134,733	139,221	143,709	148,197	1 x 6
	RDS060^D7A	157,970	163,206	168,442	173,678	1 x 7
Double Fan Width	RDD019^D2A	55,409	58,401	61,393	64,385	2 x 2
	RDD028^D2A	76,242	79,234	82,226	85,218	2 x 2
	RDD031^D2A	83,247	86,239	89,231	92,223	2 x 2
	RDD041^D3A	113,403	117,891	122,379	126,867	2 x 3
	RDD048^D3A	128,722	133,210	137,698	142,186	2 x 3
	RDD055^D4A	153,217	159,201	165,185	171,169	2 x 4
	RDD065^D4A	171,942	177,926	183,910	189,894	2 x 4
	RDD069^D5A	187,072	194,552	202,032	209,512	2 x 5
	RDD086^D5A	224,964	232,444	239,924	247,404	2 x 5
	RDD103^D6A	269,601	278,577	287,553	296,529	2 x 6
	RDD121^D7A	315,981	326,453	336,925	347,397	2 x 7

Factory Mounted Options start on page 144

^ Represents Voltage. "E" - 208-230/3/60, "G" - 460/3/60, "N" - 200-220/3/50 or "Q" - 380/3/50.

QUANTUM AIR™

MODELS WITH 850 RPM, 1.0 HP MOTORS

	Model No.	List Price (\$US)				Fan Configuration
		8 FPI	10 FPI	12 FPI	14 FPI	
Single Fan Width	RDS004^L1A	12,322	13,070	13,818	14,566	1 x 1
	RDS006^L1A	15,939	16,687	17,435	18,183	1 x 1
	RDS008^L1A	19,043	19,791	20,539	21,287	1 x 1
	RDS010^L2A	26,752	28,248	29,744	31,240	1 x 2
	RDS012^L2A	33,728	35,224	36,720	38,216	1 x 2
	RDS015^L2A	40,757	42,253	43,749	45,245	1 x 2
	RDS019^L3A	53,272	55,516	57,760	60,004	1 x 3
	RDS023^L3A	60,951	63,195	65,439	67,683	1 x 3
	RDS026^L4A	73,749	76,741	79,733	82,725	1 x 4
	RDS030^L4A	83,622	86,614	89,606	92,598	1 x 4
	RDS032^L5A	89,828	93,568	97,308	101,048	1 x 5
	RDS040^L5A	110,590	114,330	118,070	121,810	1 x 5
	RDS048^L6A	133,432	137,920	142,408	146,896	1 x 6
	RDS056^L7A	156,139	161,375	166,611	171,847	1 x 7
Double Fan Width	RDD017^L2A	51,549	54,541	57,533	60,525	2 x 2
	RDD026^L2A	73,720	76,712	79,704	82,696	2 x 2
	RDD030^L2A	83,656	86,648	89,640	92,632	2 x 2
	RDD038^L3A	111,471	115,959	120,447	124,935	2 x 3
	RDD046^L3A	130,024	134,512	139,000	143,488	2 x 3
	RDD051^L4A	149,684	155,668	161,652	167,636	2 x 4
	RDD060^L4A	170,432	176,416	182,400	188,384	2 x 4
	RDD063^L5A	181,707	189,187	196,667	204,147	2 x 5
	RDD080^L5A	224,135	231,615	239,095	246,575	2 x 5
	RDD097^L6A	269,191	278,167	287,143	296,119	2 x 6
	RDD113^L7A	315,501	325,973	336,445	346,917	2 x 7

Factory Mounted Options start on page 144

^ Represents Voltage. "E" - 208-230/3/60, "G" - 460/3/60, "N" - 200-220/3/50 or "Q" - 380/3/50.

These models fulfill California Title 24 condenser efficiency requirements when utilizing Variable Frequency Drives and 10 FPI coils.

QUANTUM AIR™

MODELS WITH 550 RPM, 1/3 HP MOTORS

	Model No.	List Price (\$US)				Fan Configuration
		8 FPI	10 FPI	12 FPI	14 FPI	
Single Fan Width	RDS004^E1A	14,220	14,968	15,716	16,464	1 x 1
	RDS005^E1A	16,735	17,483	18,231	18,979	1 x 1
	RDS006^E1A	18,848	19,596	20,344	21,092	1 x 1
	RDS008^E2A	28,031	29,527	31,023	32,519	1 x 2
	RDS011^E2A	36,921	38,417	39,913	41,409	1 x 2
	RDS012^E2A	40,822	42,318	43,814	45,310	1 x 2
	RDS016^E3A	56,503	58,747	60,991	63,235	1 x 3
	RDS018^E3A	61,911	64,155	66,399	68,643	1 x 3
	RDS021^E4A	77,445	80,437	83,429	86,421	1 x 4
	RDS025^E4A	86,812	89,804	92,796	95,788	1 x 4
	RDS028^E5A	98,388	102,128	105,868	109,608	1 x 5
	RDS032^E5A	109,022	112,762	116,502	120,242	1 x 5
	RDS040^E6A	138,701	143,189	147,677	152,165	1 x 6
	RDS046^E7A	162,157	167,393	172,629	177,865	1 x 7
Double Fan Width	RDD016^E2A	60,083	63,075	66,067	69,059	2 x 2
	RDD021^E2A	77,445	80,437	83,429	86,421	2 x 2
	RDD025^E2A	86,042	89,034	92,026	95,018	2 x 2
	RDD032^E3A	118,833	123,321	127,809	132,297	2 x 3
	RDD037^E3A	130,123	134,611	139,099	143,587	2 x 3
	RDD043^E4A	158,989	164,973	170,957	176,941	2 x 4
	RDD050^E4A	177,084	183,068	189,052	195,036	2 x 4
	RDD055^E5A	202,816	210,296	217,776	225,256	2 x 5
	RDD063^E5A	222,619	230,099	237,579	245,059	2 x 5
	RDD080^E6A	282,257	291,233	300,209	309,185	2 x 6
RDD093^E7A	328,213	338,685	349,157	359,629	2 x 7	

Factory Mounted Options start on page 144

^ Represents Voltage. "E" - 208-230/3/60, "G" - 460/3/60, "N" - 200-220/3/50 or "Q" - 380/3/50.

These models fulfill California Title 24 condenser efficiency requirements when utilizing Variable Frequency Drives and 10 FPI coils.

QUANTUM AIR™

MODELS WITH 900 RPM, VARIABLE SPEED EC MOTORS

	Model No.	List Price (\$US)				Fan Configuration
		8 FPI	10 FPI	12 FPI	14 FPI	
Single Fan Width	RDS004^G1A	24,123	24,871	25,619	26,367	1 x 1
	RDS005^G1A	27,750	28,498	29,246	29,994	1 x 1
	RDS007^G1A	29,727	30,475	31,223	31,971	1 x 1
	RDS010^G2A	49,466	50,962	52,458	53,954	1 x 2
	RDS014^G2A	59,915	61,411	62,907	64,403	1 x 2
	RDS015^G2A	66,985	68,481	69,977	71,473	1 x 2
	RDS021^G3A	88,436	90,680	92,924	95,168	1 x 3
	RDS025^G3A	97,615	99,859	102,103	104,347	1 x 3
	RDS028^G4A	121,478	124,470	127,462	130,454	1 x 4
	RDS033^G4A	131,721	134,713	137,705	140,697	1 x 4
	RDS035^G5A	151,662	155,402	159,142	162,882	1 x 5
	RDS044^G5A	167,584	171,324	175,064	178,804	1 x 5
	RDS052^G6A	200,731	205,219	209,707	214,195	1 x 6
	RDS061^G7A	235,317	240,553	245,789	251,025	1 x 7
Double Fan Width	RDD020^G2A	100,745	103,737	106,729	109,721	2 x 2
	RDD028^G2A	119,700	122,692	125,684	128,676	2 x 2
	RDD032^G2A	132,250	135,242	138,234	141,226	2 x 2
	RDD042^G3A	179,225	183,713	188,201	192,689	2 x 3
	RDD049^G3A	198,623	203,111	207,599	212,087	2 x 3
	RDD056^G4A	239,606	245,590	251,574	257,558	2 x 4
	RDD065^G4A	263,168	269,152	275,136	281,120	2 x 4
	RDD070^G5A	303,332	310,812	318,292	325,772	2 x 5
	RDD087^G5A	335,512	342,992	350,472	357,952	2 x 5
	RDD105^G6A	401,424	410,400	419,376	428,352	2 x 6
RDD122^G7A	471,431	481,903	492,375	502,847	2 x 7	

Factory Mounted Options start on page 144

^ Represents Voltage. "E" - 208-230/3/60, "G" - 460/3/60, "N" - 200-220/3/50 or "Q" - 380/3/50.

These models fulfill California Title 24 condenser efficiency requirements when utilizing Variable Frequency Drives and 10 FPI coils.

QUANTUM AIR™

MODELS WITH 1200 RPM, VARIABLE SPEED EC MOTORS

	Model No.	List Price (\$US)				Fan Configuration
		8 FPI	10 FPI	12 FPI	14 FPI	
Single Fan Width	RDS005^K1A	24,123	24,871	25,619	26,367	1 x 1
	RDS006^K1A	27,750	28,498	29,246	29,994	1 x 1
	RDS008^K1A	29,727	30,475	31,223	31,971	1 x 1
	RDS013^K2A	49,466	50,962	52,458	53,954	1 x 2
	RDS016^K2A	59,915	61,411	62,907	64,403	1 x 2
	RDS019^K2A	66,985	68,481	69,977	71,473	1 x 2
	RDS024^K3A	88,436	90,680	92,924	95,168	1 x 3
	RDS028^K3A	97,615	99,859	102,103	104,347	1 x 3
	RDS032^K4A	121,478	124,470	127,462	130,454	1 x 4
	RDS038^K4A	131,721	134,713	137,705	140,697	1 x 4
	RDS041^K5A	151,662	155,402	159,142	162,882	1 x 5
	RDS049^K5A	167,584	171,324	175,064	178,804	1 x 5
	RDS059^K6A	200,731	205,219	209,707	214,195	1 x 6
	RDS069^K7A	235,317	240,553	245,789	251,025	1 x 7
Double Fan Width	RDD023^K2A	100,745	103,737	106,729	109,721	2 x 2
	RDD032^K2A	119,700	122,692	125,684	128,676	2 x 2
	RDD038^K2A	132,250	135,242	138,234	141,226	2 x 2
	RDD047^K3A	179,225	183,713	188,201	192,689	2 x 3
	RDD057^K3A	198,623	203,111	207,599	212,087	2 x 3
	RDD063^K4A	239,606	245,590	251,574	257,558	2 x 4
	RDD075^K4A	263,168	269,152	275,136	281,120	2 x 4
	RDD082^K5A	303,332	310,812	318,292	325,772	2 x 5
	RDD099^K5A	335,512	342,992	350,472	357,952	2 x 5
	RDD118^K6A	401,424	410,400	419,376	428,352	2 x 6
	RDD138^K7A	471,431	481,903	492,375	502,847	2 x 7

Factory Mounted Options start on page 144

^ Represents Voltage. "E" - 208-230/3/60, "G" - 460/3/60, "N" - 200-220/3/50 or "Q" - 380/3/50.

These models fulfill California Title 24 condenser efficiency requirements when utilizing Variable Frequency Drives and 10 FPI coils.

QUANTUM AIR™

FACTORY MOUNTED OPTIONS

FAN CONFIGURATION	1 X 1	1 X 2	1 X 3	1 X 4	1 X 5	1 X 6	1 X 7
<b>Disconnect Options</b>							
Through the door non-fused disconnect	Standard						
Through the door fused disconnect	868	868	1,469	1,670	1,830	2,003	2,167
Main Power Circuit Breaker	1,780	1,780	2,204	2,204	2,204	2,204	2,204
Bladed Safety Switch, Non-fused	1,585	1,585	3,054	3,054	3,054	3,054	3,054
110 VAC - 20 Amp Convenience Outlet powered by separate building feed or transformer	640	640	640	640	640	640	640
<b>Fan Cycling Options - Requires Contactor Option</b>							
Ambient fan cycling†	-	1,769	2,410	3,214	4,011	4,815	5,619
Mechanical Pressure fan cycling (per circuit) w/o Headert	-	2,660	2,914	3,879	4,852	5,823	6,787
Mechanical Pressure fan cycling (per circuit) w/ Headert	-	3,390	4,365	5,338	6,317	7,291	8,284
Electronic Pressure fan cycling (per circuit) w/o Headert	-	2,759	3,459	5,744	8,032	10,316	12,120
Electronic Pressure fan cycling (per circuit) w/ Headert	-	3,919	6,204	8,486	10,782	12,559	14,758
		<b>2 X 2</b>	<b>2 X 3</b>	<b>2 X 4</b>	<b>2 X 5</b>	<b>2 X 6</b>	<b>2 X 7</b>
<b>Disconnect Options</b>							
Through the door non-fused disconnect	Standard						
Through the door fused disconnect	1,670	2,003	2,584	3,171	3,760	4,344	
Main Power Circuit Breaker	2,204	2,204	2,360	2,360	2,360	2,360	
Bladed Safety Switch, Non-fused	3,054	3,054	3,856	3,856	3,856	3,856	
110 VAC - 20 Amp Convenience Outlet powered by separate building feed or transformer	640	640	640	640	640	640	
<b>Fan Cycling Options - Requires Contactor Option</b>							
Ambient fan cycling†	1,769	2,410	3,214	4,011	4,815	5,619	
Mechanical Pressure fan cycling (per circuit) w/o Headert	2,660	2,914	3,879	4,852	5,823	6,787	
Mechanical Pressure fan cycling (per circuit) w/ Headert	3,390	4,365	5,338	6,317	7,291	8,284	
Electronic Pressure fan cycling (per circuit) w/o Headert	2,759	3,459	5,744	8,032	10,316	12,120	
Electronic Pressure fan cycling (per circuit) w/ Headert	3,919	6,204	8,486	10,782	12,559	14,758	
Note: Header fan is continuous run and not cycled.							
					<b>ALL</b>		
<b>Electronic Header End Fan Speed Control - Req. Contactor &amp; Fan Cycle on 1x2 and Larger</b>							
Variable speed header end fan (1 or 2 Circuit) ambient controlled†	Contact Factory						

Notes and references for Options on page 147.  
 "-" Not Available

Continued on next page

# QUANTUM AIR™

## FACTORY MOUNTED OPTIONS

FAN CONFIGURATION	ALL						
<b>Electronic Header End Fan Speed Control - Req. Contactor &amp; Fan Cycle on 1x2 and Larger (continued)</b>							
Variable speed header end fan (1 or 2 Circuit) Electronic control - pressure†	Contact Factory						
<b>Variable Frequency Drive (VFD)</b>							
VFD Package - Shipped Loose†	Contact Factory						
VFD Package - Factory Mounted†	Contact Factory						
<b>Control Options</b>							
Control Circuit Breaker (2P - 15A)	574						
Control Circuit Transformer†	1,082						
	<b>1 X 1</b>	<b>1 X 2</b>	<b>1 X 3</b>	<b>1 X 4</b>	<b>1 X 5</b>	<b>1 X 6</b>	<b>1 X 7</b>
<b>Disconnect Options // Control Boards ‡ also require the contactor option</b>							
CPC Relay Board + XFMR (1x1 thru 1x7 config)†	5,709	5,709	5,709	5,709	5,709	5,709	5,709
CPC Relay Boards (2)+ XFMR (2x5 thru 2x7 config)†	-	-	-	-	-	-	-
CPC Relay Board Condenser Split 50/50 (1 Board + Relay)	5,940	5,940	5,940	5,940	5,940	5,940	5,940
CPC Analog Speed Control Board And Transformer	5,976	5,976	5,976	5,976	5,976	5,976	5,976
DANFOSS Relay Board + XFMR (1x1 thru 2x4 config)†	5,730	5,730	5,730	5,730	5,730	5,730	5,730
DANFOSS Relay Boards (2) + XFMR (2x5 thru 2x7 config)†	-	-	-	-	-	-	-
DANFOSS Relay Board Condenser Split 50/50 (Relay)†	8,415	8,415	8,415	8,415	8,415	8,415	8,415
DANFOSS Analog Speed Control Board And Transformer	6,617	6,617	6,617	6,617	6,617	6,617	6,617
VSEC Stand Alone Motor Control (C450)	Contact Factory						
	<b>2 X 2</b>	<b>2 X 3</b>	<b>2 X 4</b>	<b>2 X 5</b>	<b>2 X 6</b>	<b>2 X 7</b>	
<b>Disconnect Options // Control Boards ‡ also require the contactor option</b>							
CPC Relay Board + Xfmr (1x1 Thru 1x7 Config)†	5,709	5,709	5,709	-	-	-	
CPC Relay Boards (2)+ Xfmr (2x5 Thru 2x7 Config)†	-	-	-	10,706	10,706	10,706	
CPC Relay Board Condenser Split 50/50 (1 Board + Relay)	5,940	5,940	5,940	5,940	5,940	5,940	
CPC Analog Speed Control Board And Transformer	5,976	5,976	5,976	5,976	5,976	5,976	
DANFOSS Relay Board + Xfmr (1x1 Thru 2x4 Config)†	5,730	5,730	5,730	-	-	-	
DANFOSS Relay Boards (2) + Xfmr (2x5 Thru 2x7 Config)†	-	-	-	11,748	11,748	11,748	
DANFOSS Relay Board Condenser Split 50/50 (Relay)†	8,415	8,415	8,415	8,415	8,415	8,415	
DANFOSS Analog Speed Control Board And Transformer	6,617	6,617	6,617	6,617	6,617	6,617	
VSEC Stand Alone Motor Control (C450)	Contact Factory						

Notes and references for Options on page 147.  
 "-" Not Available

Continued on next page

QUANTUM AIR™

FACTORY MOUNTED OPTIONS

FAN CONFIGURATION	1 X 1	1 X 2	1 X 3	1 X 4	1 X 5	1 X 6	1 X 7
<b>Fan Control Options (Contactors)</b>							
Individual Motor Contactors†	454	908	1,362	1,816	2,270	2,724	3,178
Paired Motor Contactors†	Not Available						
NEMA rated Contactors - Individual†	1,864	3,728	5,592	7,456	9,320	11,184	13,048
NEMA rated Contactors - PAIRED†	Not Available						
Individual motor fuses†	458	916	1,374	1,832	2,290	2,748	3,206
Paired motor fuses†	Not Available						
Individual circuit breakers††	1,271	2,542	3,813	5,084	6,355	7,626	8,897
Paired circuit breakers††	Not Available						
Individual motor terminal boards†	322	644	966	1,288	1,610	1,932	2,254
Paired motor terminal blocks†	Not Available						
Fan toggle switches - per fan (to control contactors)†	192	384	576	768	960	1,152	1,344
Fan toggle switches - PAIRED (to control contactors)†	Not Available						
Fan toggle switches - per fan (to control Motors)†	868	1,736	2,604	3,472	4,340	5,208	6,076
Fan toggle switches - PAIRED (to control Motors)†	Not Available						
	2 X 2	2 X 3	2 X 4	2 X 5	2 X 6	2 X 7	
<b>Fan Control Options (Contactors)</b>							
Individual Motor Contactors†	1,816	2,724	3,632	4,540	5,448	6,356	
Paired Motor Contactors†	1,816	2,724	3,632	4,540	5,448	6,356	
Nema Rated Contactors - Individual†	7,456	11,184	14,912	18,640	22,368	26,096	
Nema Rated Contactors - Paired†	7,456	11,184	14,912	18,640	22,368	26,096	
Individual Motor Fuses†	1,832	2,748	3,664	4,580	5,496	6,412	
Paired Motor Fuses†	1,832	2,748	3,664	4,580	5,496	6,412	
Individual Circuit Breakers††	5,084	7,626	10,168	12,710	15,252	17,794	
Paired Circuit Breakers††	5,084	7,626	10,168	12,710	15,252	17,794	
Individual Motor Terminal Boards†	1,288	1,932	2,576	3,220	3,864	4,508	
Paired Motor Terminal Blocks†	1,288	1,932	2,576	3,220	3,864	4,508	
Fan Toggle Switches - Per Fan (To Control Contactors)†	768	1,152	1,536	1,920	2,304	2,688	
Fan Toggle Switches - Paired (To Control Contactors)†	768	1,152	1,536	1,920	2,304	2,688	
Fan Toggle Switches - Per Fan (To Control Motors)†	3,472	5,208	6,944	8,680	10,416	12,152	
Fan Toggle Switches - Paired (To Control Motors)†	3,472	5,208	6,944	8,680	10,416	12,152	

Notes and references for Options on next page.

QUANTUM AIR™

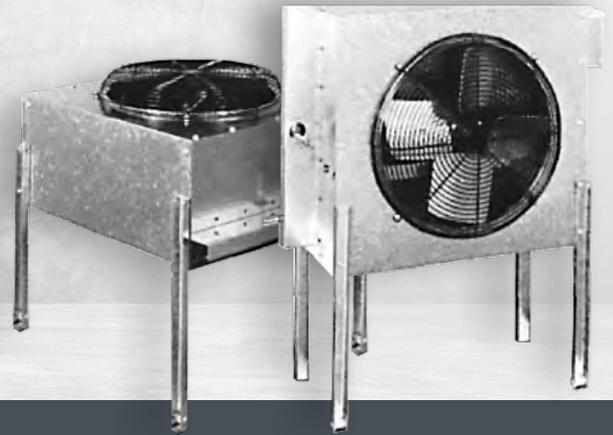
FACTORY MOUNTED OPTIONS

FAN CONFIGURATION	1 X 1	1 X 2	1 X 3	1 X 4	1 X 5	1 X 6	1 X 7
<b>Build Options**</b>							
Horizontal Air Discharge	1,283	1,876	2,765	3,393	3,989	4,590	5,149
Stainless Steel Housing	Contact Application Engineering						
Leg Length - 21" Or 30" - Standard Vertical Air Discharge	269	535	800	800	800	987	1,254
Leg Length - 46" (Vertical Air Discharge Only)	320	633	947	947	947	1,167	1,475
Box Style Leg At Every Location- 25" (Vertical Air Discharge Only)	931	1,395	1,862	2,326	2,790	3,254	3,720
Sealtite Wiring To Motor Rail	400	494	750	1,012	1,247	1,506	1,754
Sealtite Wiring To Electrical Box	1,327	2,654	3,981	5,308	6,635	7,962	9,289
Condenser Base With 18" Legs (Vertical Air Discharge Only)	3,246	4,687	6,129	8,775	10,618	12,172	14,138
Condenser Base With 30 Or 46" Legs (Vertical Air Discharge Only)	3,476	5,146	6,813	8,690	11,761	13,496	15,683
Finkote2 Coil Coating	15,000	18,000	26,500	35,000	43,500	48,750	54,000
Condenser / Receiver Assembly (Vertical Air Discharge Only)	Contact Application Engineering						
Header End Control Panel Mounting (Specify Location Change)	No Additional Charge for this Feature						
	<b>2 X 2</b>	<b>2 X 3</b>	<b>2 X 4</b>	<b>2 X 5</b>	<b>2 X 6</b>	<b>2 X 7</b>	
<b>Build Options**</b>							
Horizontal Air Discharge	3,755	5,470	6,783	7,977	9,174	10,303	
Stainless Steel Housing	Contact Application Engineering						
Leg Length - 21" Or 30" - Standard Vertical Air Discharge	535	800	800	800	987	1,254	
Leg Length - 46" (Vertical Air Discharge Only)	633	947	947	947	1,167	1,475	
Box Style Leg At Every Location- 25" (Vertical Air Discharge Only)	1,395	1,862	2,326	2,790	3,254	3,720	
Sealtite Wiring To Motor Rail	1,012	1,506	2,003	2,509	3,008	3,492	
Sealtite Wiring To Electrical Box	5,308	7,962	10,616	13,270	15,924	18,578	
Condenser Base With 18" Legs (Vertical Air Discharge Only)	4,687	6,129	8,775	10,618	12,659	14,704	
Condenser Base With 30 Or 46" Legs (Vertical Air Discharge Only)	5,146	6,813	9,695	11,761	14,034	16,309	
Finkote2 Coil Coating	25,000	35,000	45,000	55,000	67,500	72,500	
Condenser / Receiver Assembly (Vertical Air Discharge Only)	Contact Application Engineering						
Header End Control Panel Mounting (Specify Location Change)	No Additional Charge for this Feature						

\* Multiple valves or manifolds are required for multi-circuit condensers.  
 \*\* Contact Application Engineering to obtain price quotes for special fin materials or coatings.

† This option is not available for condensers with VSEC motors.  
 †† Units with VSEC motors include individual circuit breaker. Paired circuit breakers are not available.

# MULTI-CON SMALL CONDENSER



## MODEL NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>R</b>	<b>D</b>	<b>S</b>	<b>007</b>	<b>D</b>	<b>A</b>	<b>2</b>	<b>B</b>	<b>1</b>	<b>2</b>	<b>A</b>	<b>1</b>	<b>A</b>

- |  |   |
|--|---|
| <p>1. Model Series<br/>R = Russell</p> <p>2. Unit Type<br/>D = Condenser</p> <p>3. Series<br/>S = Single fan wide</p> <p>4. Capacity<br/>3 Number Characters</p> <p>5. Voltage Code<br/>D = 208-230/1/60<br/>E = 208-230/3/60<br/>F = 460/1/60<br/>G = 460/3/60</p> <p>6. Motor/Fan Type<br/>A = 1075 RPM, 0.33 HP, Metal Blade<br/>C = 850 RPM, 0.25 HP, Metal Blade<br/>H^ = 1075 RPM, 0.5 HP Totally Enclosed, Metal Blade<br/>T^ = 1075 RPM, 3/4 HP, Metal Blade</p> <p>7. Length in Fans - 1 or 2 Coil Density<br/>A = 8 FPI<br/>B = 10 FPI<br/>C = 12 FPI<br/>D = 14 FPI</p> | <p>8. Coil Material &amp; Coating Options*<br/>1 = Aluminum fins<br/>2 = Copper fins<br/>3 = Al + AST coating<br/>6 = Al + Heresite</p> <p>9. Housing Material &amp; Coatings*<br/>2 = Galvanized</p> <p>10. Unit Design Configuration<br/>A = Vertical Fan Discharge, Standard Legs<br/>E = Vertical Fan Discharge, 30" Legs<br/>N = Horizontal Fan Discharge, Standard Legs</p> <p>11. Circuit Splitting Options<br/>1 = Full<br/>2 = 50/50<br/>X = Other</p> <p>12. Vintage Code<br/>Single Alphanumeric Character<br/>A = Initial Release</p> |
|--|---|

Contact Application Engineering to obtain price quotes for special fin materials or coatings.  
Codes D, E, F, & G can be used w/50 or 60 Hz power  
^ Code H & Code T can be used with E or G voltage only.

MULTI-CON

\* represents voltage code.

1075 RPM • 0.33 HP Motors • Single Phase (D & F)					
Model No.	10 FPI List Price	Fan Configuration	Model No.	10 FPI List Price	Fan Configuration
RDS001*A1B12A1A	5,293	1 x 1	RDS007*A2B12A1A	16,908	1 x 2
RDS002*A1B12A1A	7,595		RDS009*A2B12A1A	21,256	
RDS003*A1B12A1A	8,684		RDS011*A2B12A1A	23,105	
RDS005*A1B12A1A	13,707				
1075 RPM • 0.75 HP Motors • 3 Phase (E & G)					
RDS001*T1B12A1A	5,087	1 x 1	RDS007*T2B12A1A	16,712	1 x 2
RDS002*T1B12A1A	6,593		RDS009*T2B12A1A	20,338	
RDS003*T1B12A1A	7,334		RDS011*T2B12A1A	22,772	
RDS005*T1B12A1A	13,191				
850 RPM • 0.25 HP Motors • Single Phase (D & F)					
RDS001*C1B12A1A	5,293	1 x 1	RDS006*C2B12A1A	16,908	1 x 2
RDS002*C1B12A1A	7,595		RDS008*C2B12A1A	21,256	
RDS003*C1B12A1A	8,684		RDS009*C2B12A1A	23,105	
RDS004*C1B12A1A	13,707				
850 RPM • 0.25 HP Motors • 3 Phase (E & G)					
RDS001*C1B12A1A	5,551	1 x 1	RDS006*C2B12A1A	17,425	1 x 2
RDS002*C1B12A1A	7,854		RDS008*C2B12A1A	21,771	
RDS003*C1B12A1A	8,941		RDS009*C2B12A1A	23,620	
RDS004*C1B12A1A	13,965				
1075 RPM • 0.5 HP Motors • TEAO • 3 Phase (E & G)					
RDS001*H1B12A1A	7,025	1 x 1	RDS007*H2B12A1A	20,591	1 x 2
RDS002*H1B12A1A	8,534		RDS009*H2B12A1A	24,218	
RDS003*H1B12A1A	9,277		RDS011*H2B12A1A	26,651	
RDS005*H1B12A1A	15,129				

5. VOLTAGE CODE		6. MOTOR TYPE	
Voltage	Available with Motor Code:	Motor	Available with Voltage Code:
D - 208-230/1/60	A and C	A - 1075 RPM, 0.33 HP	D and F
E - 208-230/3/60	C, H, and T	C - 850 RPM, 0.25 HP	D, E, F, and G
F - 460/1/60	A and C	H - 1075 RPM, 0.5 HP	E and G (3 Phase units only)
G - 460/3/60	C, H, and T	T - 1075 RPM, 0.75 HP	E and G (3 Phase units only)

MULTI-CON

7. INDICATES LENGTH IN FANS (1 OR 2)

8. COIL DENSITY OPTIONS PRICE ADD OR DEDUCT (8 FPI)

Fan Configuration	A - 8 FPI	B - 10 FPI	C - 12 FPI	D - 14 FPI
1 x 1	(622)	-	793	1,585
1 x 2	(1,244)	-	1,585	3,161

9. COIL MATERIAL & COATING OPTIONS\*\*

Aluminum fins (standard) / Copper fins

No coating (standard) / Al + AST coating / Al + heresite coating

10. HOUSING MATERIAL & COATING OPTIONS\*\*

Galvanized (standard)

11. UNIT DESIGN CONFIGURATION

Leg Configuration	Fan Config. 1 x 1	Fan Config. 1 x 2
A - Vertical fan discharge, standard 15" legs	-	-
E - Vertical fan discharge, standard 30" legs	286	286
N - Horizontal fan discharge, standard legs	-	-

12. CIRCUIT SPLITTING OPTIONS\*\*

Full (standard) / 50/50 / Multi-circuiting /  
Sub-cooling circuit / Other

AVAILABLE OPTIONS\*\*

Fan cycling head pressure control (2 fan model only)

Variable speed fan control (header end fan only)

Flooded head pressure control (shipped loose)

N/A - Not Available • N/C - No Additional Charge • \_ - Base Model Feature

\* Codes D, E, F, and G can be used with 50 or 60 Hz power

\*\* Contact Application Engineering to obtain price quotes for special fin materials, coating, circuit splitting, and available options

Horizontal discharge orientation is available using standard leg arrangement code A

Floating coil is not available for small condensers

1. **Applicable Law and Terms of Sale:** All orders shall be subject to the following terms and conditions notwithstanding any additional or contrary printed terms and conditions of Buyer. Such additional or contrary terms shall not bind Seller unless accepted in writing even though such terms do not materially alter the terms hereof. No oral statements, warranties, stipulations, representations or terms shall have any binding effect or be any part of the contract whatsoever.
2. **Orders:** All orders must be in writing and will be binding when our order acknowledgment is mailed. Orders are accepted subject to strikes, fires, accidents, and other causes beyond our reasonable control. Acceptance of your order is conditioned upon an agreement to hold us harmless by reason of delivery delays.
3. **Prices:** Subject to change without notice, and all quotations, unless otherwise specified, are binding only for immediate acceptance. Prices are based on material made to Seller's standard tolerances, unless otherwise specified.
4. **Freight:** All products are shipped FOB Point of Shipment with full freight allowed on single orders with a net price value of \$10,000.00 or more, except surface coils and parts, within the continental USA (excluding Alaska and Hawaii). Shipments to destinations outside the continental USA, that meet freight allowance requirements, will incur charges for the additional transport beyond the USA border. Seller reserves the choice of transportation mode, carrier, and shipping point. If special routing (dedicated/contract haul, flatbed delivery, appointment to meet a crane, etc.) is required/requested for a purchase order of \$10,000.00 or greater, Buyer will be assessed a special delivery charge per truck. Charges of \$80 per hour resulting from excessive unloading time, beyond the allotted "free time" (two hours per stop on partial loads and/or full truck loads), as defined by the carrier, is subject to being passed on to the customer. The responsibility of the Seller shall cease upon delivery of product in good condition to a common carrier (TL, LTL, FLATBED, ETC. Since all goods are shipped at Buyer's risk, they should be examined carefully before signing delivery receipt. If common carrier tenders delivery of goods in damaged condition or if packages delivered do not correspond with the number called for on the freight bill, Buyer should insist on common carrier's agent (DRIVER) making notation of the condition of shortages or damage on delivery receipt. The Buyer should never refuse freight from the common carrier. Filing freight claims are under the responsibility of the Buyer, and this will enable them to secure prompt payment of claim for damaged or lost material. Sometimes damage or loss is not readily apparent, so it is suggested that Buyer thoroughly inspect each shipment as soon as it is received for concealed loss or damage. Refer to HTPG's 2019 Freight Policy for further information.
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9. **Cancellations and Returned Goods:** Permission to return any part or product must be obtained from Seller and may be subject to a restocking charge. Credits for new material accepted for return will be at the original sales price or current market price, whichever is lower, less handling and restocking charges. Buyer must prepay all transportation charges. Any costs for putting material in condition for resale will be charged to the Buyer. Shipment of material returned without factory authorization or not properly tagged with a Return Material Authorization Number or not freight prepaid cannot be received by Seller. Obsolete products or material made to special order are not returnable.
10. **Catalog Materials and Drawings:** Seller is not responsible for typographical errors or other errors of omission in Seller's catalogs or drawings.
11. **Late Charge Provision:** Buyer agrees to pay a late charge of 1-1/2% per month (18% per year) for any invoice or bill not paid within (30) thirty days of the date of the billing invoice.
12. **Choices of law, Disputes:** This agreement and the performance of the parties hereunder shall be construed in accordance with and governed by the laws of the State of Georgia and shall be deemed made in the state. Buyer irrevocably consents to the exclusive jurisdiction of the courts of Fulton County, on all matters arising out of or relating to this sale and Buyer further irrevocably consents to service of process by certified mail, return receipt requested, at Buyer's address set forth in the order acknowledgment.



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