

KRAMER

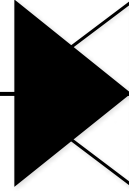
EQUIPMENT PRICE LIST

AUGUST 2025

A2L



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



Kramer.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 Seller's 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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ENGINEERED FOR COOL.™

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 Walk-Ins
Cooler and Freezer Applications

BTUH

Air Defrost:: 5,000 - 47,700

Electric Defrost:: 3,200 - 34,300



Model Nomenclature // Configurable Base Model

K	A	L	6	E	042	E	D	A
Brand	Refrigerant Class	Style [^]	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
K - Kramer	A2L	L - Low Profile (Standard) U - Low Profile Reverse Connections	6 FPI 4 FPI	A - Air E - Electric (Low Temp)	# x 100 = BTUH	A - 115/1/60 D - 230/1/60 E - 208-230/3/60	D - Dual Speed EC	A

Not all combinations of nomenclature are available. For specific offering, see following pages or consult with one of our sales representatives.

• CO2 and Glycol Next-Gen All-Temp Unit Coolers available. If required, please contact factory.

[^] 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.

Pre-Configuration Codes¹

R	S	F
Refrigerant	Valve	Pre-assembly Code
R - EcoNet [®] Approved Refrigerants ² T - 454A V - 454C, R455A	S - Sporlan SER P - Mechanical TXV	F - EcoNet [®] 2.0 Control Package ³ N - Mounted TXV & Electronic Thermostat M - Mounted TXV & Mechanical Thermosta ⁴

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 Kramer sales representative.

² EcoNet[®] approved refrigerants are: R454A, R454C, and R455A.

³ 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.)

⁴ Models with Pre-configured Mechanical Components (TXV and Mechanical or Electronic Thermostat) are rated for +25°F SST/10°F TD (Air Defrost) and -20°F SST/10°F TD (Electric Defrost).

NEXT-GEN ALL-TEMP LOW PROFILE

Small to Medium Walk-Ins
Cooler and Freezer Applications

BTUH

Air Defrost:: 5,000 - 47,700

Electric Defrost:: 3,200 - 34,300



● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

Textured aluminum construction	●
All units are provided with sweat refrigerant connections	●
All units suitable for use with R454A, R454C and R455A	●
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	KAL6A050ADA	3,798	KAL6A050DDA	3,798
	KAL6A062ADA	3,900	KAL6A062DDA	3,900
	KAL6A081ADA	4,528	KAL6A081DDA	4,528
2	KAL6A088ADA	5,916	KAL6A088DDA	5,916
	KAL6A113ADA	6,701	KAL6A113DDA	6,701
	KAL6A141ADA	7,039	KAL6A141DDA	7,039
	KAL6A159ADA	7,517	KAL6A159DDA	7,517
3	KAL6A170ADA	9,094	KAL6A170DDA	9,094
	KAL6A196ADA	10,098	KAL6A196DDA	10,098
	KAL6A220ADA	11,005	KAL6A220DDA	11,005
4	KAL6A234ADA	11,857	KAL6A234DDA	11,857
	KAL6A289ADA	14,380	KAL6A289DDA	14,380
	KAL6A316ADA	15,670	KAL6A316DDA	15,670
5	KAL6A375ADA	17,969	KAL6A375DDA	17,969
6	KAL6A404ADA	19,286	KAL6A404DDA	19,286
	KAL6A477ADA	21,654	KAL6A477DDA	21,654

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

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER	KE2 Evaporator Defrost Control Package ²	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan
1	769	2,472	3,180	6,937	567	850	999
2	769	2,472	3,180	6,937	567	850	1,262
3	769	2,472	3,180	6,937	567	850	1,532
4	769	2,472	3,180	6,937	567	850	1,761
5	769	2,472	3,180	6,937	567	850	2,011
6	1,446	2,472	3,180	6,937	567	850	2,286

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

See additional notes on next page

NEXT-GEN ALL-TEMP • LOW PROFILE

AIR DEFROST PRE-CONFIGURED³ MODELS // CODE TPN/VPNModels include mounted TXV and Electronic Thermostat⁴

No. of Fans	Dual Speed EC Motors - 6 FPI			List Price (\$US)
	115 V		208-230 V	
	Model No. R454A	Model No. R454C, R455A	Model No. R454C, R455A	
1	KAL6A050ADATPN	KAL6A050ADAVPN	KAL6A050DDAVPN	5,417
	KAL6A062ADATPN	KAL6A062ADAVPN	KAL6A062DDAVPN	5,519
	KAL6A081ADATPN	KAL6A081ADAVPN	KAL6A081DDAVPN	6,147
2	KAL6A088ADATPN	KAL6A088ADAVPN	KAL6A088DDAVPN	7,535
	KAL6A113ADATPN	KAL6A113ADAVPN	KAL6A113DDAVPN	8,320
	KAL6A141ADATPN	KAL6A141ADAVPN	KAL6A141DDAVPN	8,658
	KAL6A159ADATPN	KAL6A159ADAVPN	KAL6A159DDAVPN	9,136
3	KAL6A170ADATPN	KAL6A170ADAVPN	KAL6A170DDAVPN	10,713
	KAL6A196ADATPN	KAL6A196ADAVPN	KAL6A196DDAVPN	11,717
	KAL6A220ADATPN	KAL6A220ADAVPN	KAL6A220DDAVPN	12,624
4	KAL6A234ADATPN	KAL6A234ADAVPN	KAL6A234DDAVPN	13,476
	KAL6A289ADATPN	KAL6A289ADAVPN	KAL6A289DDAVPN	15,999
	KAL6A316ADATPN	KAL6A316ADAVPN	KAL6A316DDAVPN	17,289
5	KAL6A375ADATPN	KAL6A375ADAVPN	KAL6A375DDAVPN	19,588
6	KAL6A404ADATPN	KAL6A404ADAVPN	KAL6A404DDAVPN	21,582
	KAL6A477ADATPN	KAL6A477ADAVPN	KAL6A477DDAVPN	23,950

AIR 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 Control Package includes KE2 OEM control board and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 17 • 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

3 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 Kramer sales representative.

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

Solenoid Shut off valves (SSOV) operate as double duty isolation/liquid line solenoid valve and are required to ship loose and be installed in the field, outside the refrigerated space. Solenoid shut off valves and check shut off valves (CSOV) pricing is available on page 17, with all shipped-loose accessories.

NEXT-GEN ALL-TEMP • LOW PROFILE

AIR DEFROST PRE-CONFIGURED¹ MODELS // CODE TPM/VPMModels include mounted TXV and Mechanical Thermostat²

No. of Fans	Dual Speed EC Motors - 6 FPI		
	115 V		
	Model No. R454A	Model No. R454C, R455A	List Price (\$US)
1	KAL6A050ADATPM	KAL6A050ADAVPM	5,134
	KAL6A062ADATPM	KAL6A062ADAVPM	5,236
	KAL6A081ADATPM	KAL6A081ADAVPM	5,864
2	KAL6A088ADATPM	KAL6A088ADAVPM	7,252
	KAL6A113ADATPM	KAL6A113ADAVPM	8,037
	KAL6A141ADATPM	KAL6A141ADAVPM	8,375
	KAL6A159ADATPM	KAL6A159ADAVPM	8,853
3	KAL6A170ADATPM	KAL6A170ADAVPM	10,430
	KAL6A196ADATPM	KAL6A196ADAVPM	11,434
	KAL6A220ADATPM	KAL6A220ADAVPM	12,341
4	KAL6A234ADATPM	KAL6A234ADAVPM	13,193
	KAL6A289ADATPM	KAL6A289ADAVPM	15,716
	KAL6A316ADATPM	KAL6A316ADAVPM	17,006
5	KAL6A375ADATPM	KAL6A375ADAVPM	19,305
6	KAL6A404ADATPM	KAL6A404ADAVPM	21,299
	KAL6A477ADATPM	KAL6A477ADAVPM	23,667

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 Kramer sales representative.

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

Solenoid Shut off valves (SSOV) operate as double duty isolation/liquid line solenoid valve and are required to ship loose and be installed in the field, outside the refrigerated space. Solenoid shut off valves and check shut off valves (CSOV) pricing is available on page 17, with all shipped-loose accessories.

NEXT-GEN ALL-TEMP • LOW PROFILE

AIR DEFROST PRE-CONFIGURED¹ MODELS // CODE RSF // ECONET[®] 2.0 WITH SER VALVEModels include EcoNet[®] 2.0 Control Package^{2, 3}

No. of Fans	Dual Speed EC Motors - 6 FPI - EcoNet [®] 2.0 Control Package ^{2,3}		
	115 V	208-230 V	List Price (\$US)
	Model No.	Model No.	
1	KAL6A050ADARSF	KAL6A050DDARSF	6,978
	KAL6A062ADARSF	KAL6A062DDARSF	7,080
	KAL6A081ADARSF	KAL6A081DDARSF	7,708
2	KAL6A088ADARSF	KAL6A088DDARSF	9,096
	KAL6A113ADARSF	KAL6A113DDARSF	9,881
	KAL6A141ADARSF	KAL6A141DDARSF	10,219
	KAL6A159ADARSF	KAL6A159DDARSF	10,697
3	KAL6A170ADARSF	KAL6A170DDARSF	12,274
	KAL6A196ADARSF	KAL6A196DDARSF	13,278
	KAL6A220ADARSF	KAL6A220DDARSF	14,185
4	KAL6A234ADARSF	KAL6A234DDARSF	15,037
	KAL6A289ADARSF	KAL6A289DDARSF	17,560
	KAL6A316ADARSF	KAL6A316DDARSF	18,850
5	KAL6A375ADARSF	KAL6A375DDARSF	21,149
6	KAL6A404ADARSF	KAL6A404DDARSF	22,466
	KAL6A477ADARSF	KAL6A477DDARSF	24,834

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 Kramer sales representative.

2 EcoNet[®] approved refrigerants are: R454A, R454C, and R455A.

3 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.). SSOV and CSOV valves are still required with EcoNet[®] Enabled Unit Coolers to satisfy safety mitigation requirements.

Solenoid Shut off valves (SSOV) operate as double duty isolation/liquid line solenoid valve and are required to ship loose and be installed in the field, outside the refrigerated space. Solenoid shut off valves and check shut off valves (CSOV) pricing is available on page 17, with all shipped-loose accessories.

NEXT-GEN ALL-TEMP • LOW PROFILE

AIR DEFROST REVERSE CONNECTION // BASE MODEL

No configuration allowed

No. of Fans	Dual Speed EC Motors - 6 FPI		
	115 V	208-230 V	List Price (\$US)
	Model No.	Model No.	
1	KAU6A050ADA	KAU6A050DDA	3,798
	KAU6A062ADA	KAU6A062DDA	3,900
	KAU6A081ADA	KAU6A081DDA	4,528
2	KAU6A088ADA	KAU6A088DDA	5,916
	KAU6A113ADA	KAU6A113DDA	6,701
	KAU6A141ADA	KAU6A141DDA	7,039
	KAU6A159ADA	KAU6A159DDA	7,517
3	KAU6A170ADA	KAU6A170DDA	9,094
	KAU6A196ADA	KAU6A196DDA	10,098
	KAU6A220ADA	KAU6A220DDA	11,005
4	KAU6A234ADA	KAU6A234DDA	11,857
	KAU6A289ADA	KAU6A289DDA	14,380
	KAU6A316ADA	KAU6A316DDA	15,670
5	KAU6A375ADA	KAU6A375DDA	17,969
6	KAU6A404ADA	KAU6A404DDA	19,286
	KAU6A477ADA	KAU6A477DDA	21,654

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.

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	KAL6E042DDA	5,182	KAL4E032DDA	4,974
	KAL6E051DDA	5,764	KAL4E040DDA	5,532
	KAL6E058DDA	6,342	KAL4E046DDA	6,090
2	KAL6E079DDA	7,992	KAL4E061DDA	7,670
	KAL6E092DDA	8,407	KAL4E076DDA	8,074
	KAL6E110DDA	8,654	KAL4E099DDA	8,309
	KAL6E129DDA	10,141	Not Available	
3	KAL6E148DDA	11,339	KAL4E114DDA	10,882
	KAL6E173DDA	12,936	KAL4E133DDA	12,421
4	KAL6E194DDA	15,174	KAL4E150DDA	14,563
	KAL6E218DDA	16,744	KAL4E170DDA	16,070
5	KAL6E237DDA	18,828	KAL4E184DDA	18,079
6	KAL6E290DDA	22,088	KAL4E232DDA	21,205
	KAL6E343DDA	24,456	KAL4E281DDA	23,477

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

No. of Fans	Factory Mounted Options // List Price Adder (\$US)							
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER	KE2 Evaporator Defrost Control Package ²	Mechanical Thermostat	Electronic Thermostat	Adjustable Termination Switch/Fan Delay	Insulated Drain Pan
1	769	2,472	3,180	7,667	567	850	585	999
2	769	2,472	3,180	7,667	567	850	585	1,262
3	769	2,472	3,180	7,667	567	850	585	1,532
4	769	2,472	3,180	7,667	567	850	585	1,761
5	769	2,472	3,180	8,267	567	850	585	2,011
6	1,446	2,472	3,180	8,267	567	850	585	2,286

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

See additional notes on next page

NEXT-GEN ALL-TEMP • LOW PROFILE

ELECTRIC DEFROST PRE-CONFIGURED⁵ MODELS // CODE TPN/VPNModels include mounted TXV and Electronic Thermostat⁶

No. of Fans	Dual Speed EC Motors - 6 FPI		
	230 V		
	Model No. R454A	Model No. R454C, R455A	List Price (\$US)
1	KAL6E042DDATPN	KAL6E042DDAVPN	6,801
	KAL6E051DDATPN	KAL6E051DDAVPN	7,383
	KAL6E058DDATPN	KAL6E058DDAVPN	7,961
2	KAL6E079DDATPN	KAL6E079DDAVPN	9,611
	KAL6E092DDATPN	KAL6E092DDAVPN	10,026
	KAL6E110DDATPN	KAL6E110DDAVPN	10,273
	KAL6E129DDATPN	KAL6E129DDAVPN	11,760
3	KAL6E148DDATPN	KAL6E148DDAVPN	12,958
	KAL6E173DDATPN	KAL6E173DDAVPN	14,555
4	KAL6E194DDATPN	KAL6E194DDAVPN	16,793
	KAL6E218DDATPN	KAL6E218DDAVPN	18,363
5	KAL6E237DDATPN	KAL6E237DDAVPN	20,447
6	KAL6E290DDATPN	KAL6E290DDAVPN	24,384
	KAL6E343DDATPN	KAL6E343DDAVPN	26,752

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 Control Package includes KE2 OEM control board and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 17 • 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

5 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 Kramer sales representative.

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

Solenoid Shut off valves (SSOV) operate as double duty isolation/liquid line solenoid valve and are required to ship loose and be installed in the field, outside the refrigerated space. Solenoid shut off valves and check shut off valves (CSOV) pricing is available on page 17, with all shipped-loose accessories.

NEXT-GEN ALL-TEMP • LOW PROFILE

ELECTRIC DEFROST PRE-CONFIGURED¹ MODELS // CODE TPM/VPMModels include mounted TXV and Mechanical Thermostat²

No. of Fans	Dual Speed EC Motors - 6 FPI		
	230 V		
	Model No. R454A	Model No. R454C, R455A	List Price (\$US)
1	KAL6E042DDATPM	KAL6E042DDAVPM	6,518
	KAL6E051DDATPM	KAL6E051DDAVPM	7,100
	KAL6E058DDATPM	KAL6E058DDAVPM	7,678
2	KAL6E079DDATPM	KAL6E079DDAVPM	9,328
	KAL6E092DDATPM	KAL6E092DDAVPM	9,743
	KAL6E110DDATPM	KAL6E110DDAVPM	9,990
	KAL6E129DDATPM	KAL6E129DDAVPM	11,477
3	KAL6E148DDATPM	KAL6E148DDAVPM	12,675
	KAL6E173DDATPM	KAL6E173DDAVPM	14,272
4	KAL6E194DDATPM	KAL6E194DDAVPM	16,510
	KAL6E218DDATPM	KAL6E218DDAVPM	18,080
5	KAL6E237DDATPM	KAL6E237DDAVPM	20,164
6	KAL6E290DDATPM	KAL6E290DDAVPM	24,101
	KAL6E343DDATPM	KAL6E343DDAVPM	26,469

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 Kramer sales representative.

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

Solenoid Shut off valves (SSOV) operate as double duty isolation/liquid line solenoid valve and are required to ship loose and be installed in the field, outside the refrigerated space. Solenoid shut off valves and check shut off valves (CSOV) pricing is available on page 17, with all shipped-loose accessories.

NEXT-GEN ALL-TEMP • LOW PROFILE

ELECTRIC DEFROST PRE-CONFIGURED¹ MODELS // CODE RSFModels include EcoNet[®] 2.0 Control Package^{2,3} with SER Valve

No. of Fans	Dual Speed EC Motors - 6 FPI - 230 V	
	EcoNet [®] 2.0 Control Package ^{2,3}	
	Model No.	List Price (\$US)
1	KAL6E042DDARSF	8,362
	KAL6E051DDARSF	8,944
	KAL6E058DDARSF	9,522
2	KAL6E079DDARSF	11,172
	KAL6E092DDARSF	11,587
	KAL6E110DDARSF	11,834
	KAL6E129DDARSF	13,321
3	KAL6E148DDARSF	14,519
	KAL6E173DDARSF	16,116
4	KAL6E194DDARSF	18,354
	KAL6E218DDARSF	19,924
5	KAL6E237DDARSF	22,008
6	KAL6E290DDARSF	25,268
	KAL6E343DDARSF	27,636

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 Kramer sales representative.

2 EcoNet[®] approved refrigerants are: R454A, R454C, and R455A.

3 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.). SSOV and CSOV valves are still required with EcoNet[®] Enabled Unit Coolers to satisfy safety mitigation requirements.

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

Solenoid Shut off valves (SSOV) operate as double duty isolation/liquid line solenoid valve and are required to ship loose and be installed in the field, outside the refrigerated space. Solenoid shut off valves and check shut off valves (CSOV) pricing is available on page 17, with all shipped-loose accessories.

NEXT-GEN ALL-TEMP • LOW PROFILE

ELECTRIC DEFROST REVERSE CONNECTION // BASE MODEL

No configuration allowed

No. of Fans	Dual Speed EC Motors - 6 FPI	
	208-230 V	
	Model No.	List Price (\$US)
1	KAU6E042DDA	5,182
	KAU6E051DDA	5,764
	KAU6E058DDA	6,342
2	KAU6E079DDA	7,992
	KAU6E092DDA	8,407
	KAU6E110DDA	8,654
	KAU6E129DDA	10,141
3	KAU6E148DDA	11,339
	KAU6E173DDA	12,936
4	KAU6E194DDA	15,174
	KAU6E218DDA	16,744
5	KAU6E237DDA	18,828
6	KAU6E290DDA	22,088
	KAU6E343DDA	24,456

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.

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	1,635
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	533
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	688

VALVES

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,907
	16 to 25 Tons	2,738
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	625
	4 to 9 Tons	890
	10 to 30 Tons	1,566

SHUT-OFF VALVES

No. of Fans	List Price (\$US)	
	Solenoid Shut-Off Valve (SSOV)	Check Shut-Off Valve (CSOV)
1	825	217
2	825	217
3	825	217
4	825	217
5	861	315
6	861	315

A2L SSOV and CSOV Mitigation Valves must ship loose for field install

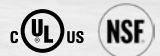
CENTER MOUNT LOW HEIGHT

Small to Medium Walk-Ins
Cooler and Freezer Applications

BTUH

Air Defrost:: 5,100 - 31,600

Electric Defrost:: 4,500 - 33,700



Model Nomenclature // Configurable Base Model

K	A	E	6	A	041	A	D	A
Brand	Refrigerant Class	Style	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
K - Kramer	A2L	E - Center Mount	6 FPI 4 FPI	A - Air E - Electric (Low Temp)	# x 100 = BTUH	A - 115/1/60 D - 230/1/60	D - Dual Speed EC	A

● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

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	○
EcoNet® Command Center	○
Coated housing	○
Adjustable termination/fan delay control	○
Insulated drain pan	○

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	KAE6A051ADA	5,024	KAE6A051DDA	5,279
2	KAE6A085ADA	7,294	KAE6A085DDA	7,615
	KAE6A103ADA	7,998	KAE6A103DDA	8,328
3	KAE6A128ADA	8,731	KAE6A128DDA	9,128
	KAE6A157ADA	10,912	KAE6A157DDA	11,328
4	KAE6A173ADA	12,030	KAE6A173DDA	12,511
	KAE6A207ADA	13,852	KAE6A207DDA	14,352
5	KAE6A249ADA	15,113	KAE6A249DDA	15,688
	KAE6A316ADA	18,286	KAE6A316DDA	20,766

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 21 • 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 CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)					
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan
1	769	2,472	3,180	567	850	259
2	769	2,472	3,180	567	850	326
3	769	2,472	3,180	567	850	395
4	769	2,472	3,180	567	850	463
5	769	2,472	3,180	567	850	533

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

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

CENTER MOUNT • LOW HEIGHT

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	KAE6E045DDA	7,915	KAE4E043DDA	7,915
	KAE6E054DDA	10,656		
2	KAE6E090DDA	11,006	KAE4E087DDA	11,006
	KAE6E107DDA	13,847		
3	KAE6E129DDA	15,030	KAE4E127DDA	14,891
	KAE6E149DDA	15,210		
4	KAE6E160DDA	18,277	KAE4E183DDA	18,744
	KAE6E217DDA	19,340		
5	KAE6E265DDA	23,038	KAE4E222DDA	21,205
	KAE6E337DDA	25,860	KAE4E283DDA	24,386

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 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.

ELECTRIC DEFROST CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)					
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan
1	769	2,472	3,180	567	850	259
2	769	2,472	3,180	567	850	326
3	769	2,472	3,180	567	850	395
4	769	2,472	3,180	567	850	463
5	769	2,472	3,180	567	850	533

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

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

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	1,635
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	533
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	688

VALVES

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,907
	16 to 25 Tons	2,738
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	625
	4 to 9 Tons	890
	10 to 30 Tons	1,566

SHUT-OFF VALVES

No. of Fans	List Price (\$US)	
	Solenoid Shut-Off Valve (SSOV)	Check Shut-Off Valve (CSOV)
1	825	217
2	825	217
3	825	217
4	825	217
5	861	315

A2L SSOV and CSOV Mitigation Valves must ship loose for field install

CENTER MOUNT LOW VELOCITY

Small to Medium Walk-Ins
Cooler Applications

BTUH

Air Defrost:: 5,300 - 33,800

Electric Defrost:: 5,300 - 33,800



Model Nomenclature // Configurable Base Model

K	A	V	6	A	043	A	D	A
Brand	Refrigerant Class	Style	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
K - Kramer	A2L	V - Low Velocity Center Mount	6 FPI	A - Air E - Electric (Low Temp)	# x 100 = BTUH	A - 115/1/60 D - 230/1/60	D - Dual Speed EC	A

● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

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	●
EcoNet® Enabled Unit Cooler Controller	○
EcoNet® Command Center	○
Thermostatic expansion valve (mounted or loose)	○
Thermostat (mechanical or electronic - mounted or loose)	○

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	KAV6A053ADA	7,931	KAV6A053DDA	8,245	KAV6E053DDA	9,130
	KAV6A066ADA	8,213	KAV6A066DDA	8,542	KAV6E066DDA	9,583
2	KAV6A105ADA	9,565	KAV6A105DDA	9,949	KAV6E105DDA	11,210
	KAV6A131ADA	11,731	KAV6A131DDA	12,202	KAV6E131DDA	13,559
3	KAV6A159ADA	13,616	KAV6A159DDA	14,162	KAV6E159DDA	15,916
	KAV6A196ADA	15,277	KAV6A196DDA	15,893	KAV6E196EDA	17,779
4	KAV6A216ADA	18,619	KAV6A216DDA	19,364	KAV6E216EDA	21,775
	KAV6A270ADA	21,055	KAV6A270DDA	21,898	KAV6E270DDA	24,485
5	KAV6A338ADA	23,089	KAV6A338DDA	24,014	KAV6E338DDA	27,275

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 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.

CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)					
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan
1	769	2,472	3,180	567	850	259
2	769	2,472	3,180	567	850	326
3	769	2,472	3,180	567	850	395
4	769	2,472	3,180	567	850	463
5	769	2,472	3,180	567	850	533

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

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

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	1,635
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	533
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	688

VALVES

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,907
	16 to 25 Tons	2,738
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	625
	4 to 9 Tons	890
	10 to 30 Tons	1,566

SHUT-OFF VALVES

No. of Fans	List Price (\$US)	
	Solenoid Shut-Off Valve (SSOV)	Check Shut-Off Valve (CSOV)
1	825	217
2	825	217
3	825	217
4	825	217
5	861	315

A2L SSOV and CSOV Mitigation Valves must ship loose for field install

MEDIUM PROFILE

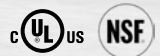
Medium to Large Walk-Ins
Cooler & Freezer Applications

BTUH

Air Defrost:: 21,900 - 99,000

Medium Temp Electric Defrost:: 21,900 - 98,900

Low Temp Electric Defrost:: 12,900 - 89,000



Model Nomenclature // Configurable Base Model

K	A	M	6	E	181	D	D	A
Brand	Refrigerant Class	Style	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
K - Kramer	A - A2L	M - Medium Profile	6 FPI 4 FPI	A - Air D - Medium Temp Electric E - Low Temp Electric	# 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	A

● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

Rail-mounted, energy-efficient Dual Speed EC motors compliant with CA 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.	●
UL/cUL certified for use with multiple refrigerants	●
NSF approved for use in food preparation areas	●
Available as single through four fan models	●
EcoNet® Enabled Unit Cooler Controller	○
EcoNet® Command Center	○
Painted Housing	○
Coated Coil	○
Insulated Drain Pan	○

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	KAM6A219ADA	11,982	KAM6A219DDA	12,221	KAM6A219FDA	12,942
	KAM6A268ADA	14,457	KAM6A268DDA	14,746	KAM6A268FDA	15,616
2	KAM6A336ADA	20,325	KAM6A336DDA	20,733	KAM6A336FDA	21,952
	KAM6A448ADA	25,691	KAM6A448DDA	26,204	KAM6A448FDA	27,748
	KAM6A540ADA	29,802	KAM6A540DDA	30,400	KAM6A540FDA	32,187
3	KAM6A668ADA	34,523	KAM6A668DDA	35,215	KAM6A668FDA	37,284
	KAM6A800ADA	36,368	KAM6A800DDA	37,097	KAM6A800FDA	39,275
4	KAM6A888ADA	46,031	KAM6A888DDA	46,953	KAM6A888FDA	49,712
	KAM6A990ADA	48,490	KAM6A990DDA	49,462	KAM6A990FDA	52,367

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

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER	KE2 Evaporator Defrost Control Package ²	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan
1	769	2,472	4,413	12,638	567	850	798
2	1,446	2,472	4,413	13,238	567	850	1,315
3	1,446	2,472	4,413	13,238	567	850	1,759
4	1,446	2,472	4,413	13,238	567	850	2,203

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

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 and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 31 • 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.

MEDIUM PROFILE

LOW TEMP ELECTRIC DEFROST CONFIGURABLE BASE MODELS

FPI	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	1	KAM6E181DDA	15,313	KAM6E181EDA	15,464
		KAM6E217DDA	20,001	KAM6E217EDA	20,203
	2	KAM6E371DDA	25,122	KAM6E371EDA	25,375
		KAM6E446DDA	32,406	KAM6E446EDA	32,733
	3	Not Available		KAM6E557EDA	35,393
				KAM6E669EDA	38,787
	4			KAM6E741EDA	47,191
				KAM6E890EDA	51,716
4	1	KAM4E129DDA	14,700	KAM4E129EDA	14,848
		KAM4E168DDA	19,202	KAM4E168EDA	19,396
	2	KAM4E271DDA	24,119	KAM4E271EDA	24,362
		KAM4E340DDA	31,109	KAM4E340EDA	31,424
	3	Not Available		KAM4E398EDA	33,980
				KAM4E495EDA	37,240
	4			KAM4E529EDA	45,306
				KAM4E658EDA	49,653
		460/1/60		460/3/60	
6	1	KAM6E181FDA	16,548	KAM6E181GDA	16,705
		KAM6E217FDA	21,616	KAM6E217GDA	21,819
	2	KAM6E371FDA	27,150	KAM6E371GDA	27,405
		KAM6E446FDA	35,023	KAM6E446GDA	35,349
	3	KAM6E557FDA	37,871	KAM6E557GDA	38,224
		KAM6E669FDA	41,502	KAM6E669GDA	41,892
	4	KAM6E741FDA	50,496	KAM6E741GDA	50,966
		KAM6E890FDA	55,336	KAM6E890GDA	55,856
4	1	KAM4E129FDA	15,888	KAM4E129GDA	16,035
		KAM4E168FDA	20,754	KAM4E168GDA	20,946
	2	KAM4E271FDA	26,067	KAM4E271GDA	26,309
		KAM4E340FDA	33,623	KAM4E340GDA	33,936
	3	KAM4E398FDA	36,358	KAM4E398GDA	36,699
		KAM4E495FDA	39,843	KAM4E495GDA	40,218
	4	KAM4E529FDA	48,477	KAM4E529GDA	48,931
		KAM4E658FDA	53,125	KAM4E658GDA	53,625

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 OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)							
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER	KE2 Evaporator Defrost Control Package ²	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control / Fan Delay Switch	Insulated Drain Pan
1	769	2,472	4,413	12,638	567	850	585	798
2	1,446	2,472	4,413	13,238	567	850	585	1,315
3	1,446	2,472	4,413	13,238	567	850	585	1,759
4	1,446	2,472	4,413	13,238	567	850	585	2,203

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

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 and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 31 • 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.

MEDIUM PROFILE

MEDIUM TEMP ELECTRIC DEFROST CONFIGURABLE BASE MODELS

FPI	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	1	KAM6D218DDA	15,313	KAM6D218EDA	15,464
		KAM6D267DDA	20,001	KAM6D267EDA	20,203
	2	KAM6D335DDA	22,562	KAM6D335EDA	22,790
		KAM6D447DDA	25,122	KAM6D447EDA	25,375
		KAM6D539DDA	32,406	KAM6D539EDA	32,733
	3	Not Available		KAM6D667EDA	35,393
				KAM6D799EDA	38,787
	4			KAM6D887EDA	47,191
				KAM6D989EDA	51,716
			460/1/60		460/3/60
6	1	KAM6D218FDA	16,548	KAM6D218GDA	16,705
		KAM6D267FDA	21,616	KAM6D267GDA	21,819
	2	KAM6D335FDA	24,383	KAM6D335GDA	24,614
		KAM6D447FDA	27,150	KAM6D447GDA	27,405
		KAM6D539FDA	35,023	KAM6D539GDA	35,349
	3	KAM6D667FDA	37,871	KAM6D667GDA	38,224
		KAM6D799FDA	41,502	KAM6D799GDA	41,892
	4	KAM6D887FDA	50,496	KAM6D887GDA	50,966
		KAM6D989FDA	55,336	KAM6D989GDA	55,856

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

MEDIUM TEMP ELECTRIC DEFROST CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)							
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER	KE2 Evaporator Defrost Control Package ²	Mechanical Thermostat	Electronic Thermostat	Adjustable Defrost Control / Fan Delay Switch ³	Insulated Drain Pan
1	769	2,472	4,413	12,638	567	850	585	798
2	1,446	2,472	4,413	13,238	567	850	585	1,315
3	1,446	2,472	4,413	13,238	567	850	585	1,759
4	1,446	2,472	4,413	13,238	567	850	585	2,203

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

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 and Electronic Expansion Valve (EEV).

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

Shipped-Loose Accessories are found on page 31 • 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.

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	1,635
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	533
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	688

VALVES

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,907
	16 to 25 Tons	2,738
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	625
	4 to 9 Tons	890
	10 to 30 Tons	1,566
Solenoid Shut-Off Valve (SSOV)†	1 to 2 Fans	825
	3 to 4 Fans	861
Check Shut-Off Valve (CSOV)†	1 Fan	315
	2 Fans	1,014
	3 to 4 Fans	1,840

† A2L SSOV and CSOV Mitigation Valves must ship loose for field install

HEAVY DUTY

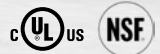
Medium to Large Walk-Ins
Cooler & Freezer Applications in boxes <3,000 sq. ft.

BTUH

Air Defrost:: 38,000 - 263,000

Medium Temp Electric Defrost:: 38,000 - 263,000

Low Temp Electric Defrost:: 40,200 - 236,500



Model Nomenclature // Configurable Base Model

K	A	H	6	E	106	E	D	A
Brand	Refrigerant Class	Style	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
K - Kramer	A - A2L	H - Heavy Duty Y - Reverse Connections	6 FPI 4 FPI	A - Air D - Medium Temp Electric E - Low Temp Electric	# x 100 = BTUH	D - 230/1/60 E - 208-230/3/60 F - 460/1/60 G - 460/3/60	D - Dual Speed EC	A

EcoNet® approved refrigerants are: R454A, R454C, R455A.

● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

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	●
Embossed aluminum housing	●
Available as single through four fan models	●
EcoNet® Enabled Unit Cooler controller	○
EcoNet® Command Center	○
Reverse connections	○
Painted housing	○
Coated Coil	○
Insulated drain pan	○

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	KAH6A038DDA	28,417	KAH6A038FDA	28,985
	KAH6A053DDA	31,214	KAH6A053FDA	31,839
	KAH6A064DDA	32,717	KAH6A064FDA	33,369
2	KAH6A076DDA	35,589	KAH6A076FDA	36,302
	KAH6A108DDA	46,562	KAH6A108FDA	47,493
	KAH6A130DDA	52,256	KAH6A130FDA	53,301
3	KAH6A162DDA	55,779	KAH6A162FDA	56,896
	KAH6A193DDA	74,736	KAH6A193FDA	76,232
4	KAH6A215DDA	86,774	KAH6A215FDA	88,511
	KAH6A263DDA	96,536	KAH6A263FDA	98,470

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

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER ²	KE2 Evaporator Defrost Control Package ³	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan
1	1,446	2,472	8,537	12,638	567	850	1,177
2	2,205	2,472	8,537	13,238	567	850	1,565
3	2,205	3,414	8,537	14,180	567	850	2,014
4	2,205	3,414	8,537	14,387	567	850	2,314

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

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 and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 36 • 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

LOW TEMP ELECTRIC DEFROST CONFIGURABLE BASE MODELS

FPI	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	1	KAH6E040EDA	32,282	KAH6E040GDA	32,930
		KAH6E053EDA	38,544	KAH6E053GDA	39,314
		KAH6E065EDA	41,676	KAH6E065GDA	42,508
	2	KAH6E080EDA	48,966	KAH6E080GDA	49,946
		KAH6E106EDA	62,861	KAH6E106GDA	64,117
		KAH6E131EDA	74,942	KAH6E131GDA	76,440
	3	KAH6E160EDA	83,093	KAH6E160GDA	84,757
		KAH6E195EDA	108,890	KAH6E195GDA	111,070
	4	KAH6E237EDA	125,031	KAH6E237GDA	127,533
4	1	KAH4E043EDA	37,002	KAH4E043GDA	37,741
		KAH4E053EDA	40,005	KAH4E053GDA	40,807
	2	KAH4E086EDA	60,348	KAH4E086GDA	61,552
		KAH4E105EDA	71,944	KAH4E105GDA	73,382
	3	KAH4E128EDA	79,772	KAH4E128GDA	81,362
		KAH4E158EDA	104,534	KAH4E158GDA	106,623
	4	KAH4E198EDA	120,030	KAH4E198GDA	122,427

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.

LOW TEMP ELECTRIC DEFROST CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER ²	KE2 Evaporator Defrost Control Package ³	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan
1	1,446	2,472	8,537	12,638	567	850	1,177
2	2,205	2,472	8,537	13,238	567	850	1,565
3	2,205	3,414	8,537	14,180	567	850	2,014
4	2,205	3,414	8,537	14,387	567	850	2,314

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

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 and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 36 • 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

FPI	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	1	KAH6D037EDA	32,282	KAH6D037GDA	32,930
		KAH6D052EDA	38,544	KAH6D052GDA	39,314
		KAH6D063EDA	41,676	KAH6D063GDA	42,508
	2	KAH6D077EDA	48,966	KAH6D077GDA	49,946
		KAH6D107EDA	62,861	KAH6D107GDA	64,117
		KAH6D129EDA	74,942	KAH6D129GDA	76,440
	3	KAH6D161EDA	83,093	KAH6D161GDA	84,757
		KAH6D192EDA	108,890	KAH6D192GDA	111,070
	4	KAH6D214EDA	116,960	KAH6D214GDA	119,301
		KAH6D262EDA	125,031	KAH6D262GDA	127,533

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 TEMP ELECTRIC DEFROST CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER ²	KE2 Evaporator Defrost Control Package ³	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan
1	1,446	2,472	8,537	12,638	567	850	1,177
2	2,205	2,472	8,537	13,238	567	850	1,565
3	2,205	3,414	8,537	14,180	567	850	2,014
4	2,205	3,414	8,537	14,387	567	850	2,314

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

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 and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 36 • 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

Shipped Loose Accessories

CONTROLS & THERMOSTATS

Option Name	Option Description	List Price (\$US)
EcoNet® Command Center	EcoNet® Command Center for EcoNet® Enabled Unit Coolers	1,635
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	533
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	688

VALVES

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,907
	16 to 25 Tons	2,738
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	625
	4 to 9 Tons	890
	10 to 30 Tons	1,566
Solenoid Shut-Off Valve (SSOV) [†]	1 to 2 Fans	861
	3 to 4 Fans	1,378
Check Shut-Off Valve (CSOV) ^{†^}	1 Fan	315
	2 Fans	1,014
	3 to 4 Fans	1,840

[†] A2L SSOV and CSOV Mitigation Valves must ship loose for field install

[^] Not available on 3 & 4 fan Low Temperature Electric Defrost models

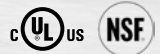
WAREHOUSE

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

BTUH

Air Defrost:: 42,000 - 291,000

Electric Defrost:: 42,000 - 293,800



Model Nomenclature // Configurable Base Model

K	A	W	6	E	143	E	T	A
Brand	Refrigerant Class	Style	Fins Per Inch (FPI)	Defrost Type	Capacity	Voltage	Motor Type	Vintage
K - Kramer	A - A2L	W - Warehouse Z - Opposite Hand W (LEFT)	6 FPI 4 FPI	A - Air D - Medium Temp Electric E - Low Temp Electric	# x 100 = BTUH	E - 208-230/3/60 G - 460/3/60	T - 3 Phase H - 3 Phase + High-Static (Pressure Prop) Fan Blades ¹	A

EcoNet® approved refrigerants are: R454A, R454C, R455A.

1 If you require a High-Static Fan Blade in an application above freezing, please contact factory.

● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

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	●
Embossed aluminum housing	●
Available as single through four fan models	●
EcoNet® Enabled Unit Cooler controller	○
EcoNet® Command Center	○
Reverse connections	○
Painted housing	○
Coated Coil	○
Insulated drain pan	○

WAREHOUSE

AIR DEFROST CONFIGURABLE BASE MODELS

No. of Fans	3 Phase Motor			
	208-230/3/60		460/3/60	
	Model No.	List Price (\$US)	Model No.	List Price (\$US)
1	KAW6A042ETA	21,050	KAW6A042GTA	21,473
	KAW6A057ETA	23,121	KAW6A057GTA	23,583
	KAW6A072ETA	24,231	KAW6A072GTA	24,715
2	KAW6A084ETA	26,361	KAW6A084GTA	26,889
	KAW6A116ETA	37,251	KAW6A116GTA	37,996
	KAW6A143ETA	41,804	KAW6A143GTA	42,641
3	KAW6A173ETA	44,624	KAW6A173GTA	45,516
	KAW6A216ETA	59,790	KAW6A216GTA	60,988
4	KAW6A235ETA	69,419	KAW6A235GTA	70,810
	KAW6A291ETA	77,229	KAW6A291GTA	78,773

AIR DEFROST CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER ²	KE2 Evaporator Defrost Control Package ³	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan
1	1,446	2,472	8,537	12,638	567	850	1,177
2	2,205	2,472	8,537	13,238	567	850	1,565
3	2,205	3,414	8,537	14,180	567	850	2,014
4	2,205	3,414	8,537	14,387	567	850	2,314

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

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 and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 43 • 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

FPI	No. of Fans	3 Phase Motor - High-Static Fan			
		208-230/3/60		460/3/60	
		Model No.	List Price (\$US)	Model No.	List Price (\$US)
6	1	KAW6E044EHA	26,544	KAW6E044GHA	27,076
		KAW6E057EHA	31,691	KAW6E057GHA	32,325
		KAW6E071EHA	34,268	KAW6E071GHA	34,951
	2	KAW6E087EHA	45,294	KAW6E087GHA	46,197
		KAW6E114EHA	58,147	KAW6E114GHA	59,311
		KAW6E142EHA	69,321	KAW6E142GHA	70,708
	3	KAW6E170EHA	76,863	KAW6E170GHA	78,401
		KAW6E215EHA	105,099	KAW6E215GHA	107,203
	4	KAW6E256EHA	120,680	KAW6E256GHA	123,092
4	1	KAW4E045EHA	30,422	KAW4E045GHA	31,030
		KAW4E058EHA	32,895	KAW4E058GHA	33,553
	2	KAW4E092EHA	55,824	KAW4E092GHA	56,938
		KAW4E116EHA	66,548	KAW4E116GHA	67,878
	3	KAW4E136EHA	73,788	KAW4E136GHA	75,263
		KAW4E173EHA	100,896	KAW4E173GHA	102,915
	4	KAW4E214EHA	115,852	KAW4E214GHA	118,170
3 Phase Motor					
6	1	KAW6E044ETA	23,916	KAW6E044GTA	24,390
		KAW6E057ETA	28,553	KAW6E057GTA	29,122
		KAW6E071ETA	30,870	KAW6E071GTA	31,487
	2	KAW6E087ETA	40,804	KAW6E087GTA	41,620
		KAW6E114ETA	52,386	KAW6E114GTA	53,432
		KAW6E142ETA	62,452	KAW6E142GTA	63,701
	3	KAW6E170ETA	69,245	KAW6E170GTA	70,633
		KAW6E215ETA	94,687	KAW6E215GTA	96,579
	4	KAW6E256ETA	108,721	KAW6E256GTA	110,897
4	1	KAW4E045ETA	27,408	KAW4E045GTA	27,956
		KAW4E058ETA	29,635	KAW4E058GTA	30,230
	2	KAW4E092ETA	50,290	KAW4E092GTA	51,296
		KAW4E116ETA	59,953	KAW4E116GTA	61,150
	3	KAW4E136ETA	66,476	KAW4E136GTA	67,806
		KAW4E173ETA	90,900	KAW4E173GTA	92,717
	4	KAW4E214ETA	104,372	KAW4E214GTA	106,460

WAREHOUSE

LOW TEMP ELECTRIC DEFROST CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER ²	KE2 Evaporator Defrost Control Package ³	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan
1	1,446	2,472	8,537	12,638	567	850	1,177
2	2,205	2,472	8,537	13,238	567	850	1,565
3	2,205	3,414	8,537	14,180	567	850	2,014
4	2,205	3,414	8,537	14,387	567	850	2,314

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

- 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 and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 43 • 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

FPI	No. of Fans	3 Phase Motor			
		208-230/3/60		460/3/60	
		Model No.	List Price (\$US)	Model No.	List Price (\$US)
6	1	KAW6D042ETA	23,916	KAW6D042GTA	24,390
		KAW6D057ETA	28,553	KAW6D057GTA	29,122
		KAW6D072ETA	30,870	KAW6D072GTA	31,487
	2	KAW6D084ETA	40,804	KAW6D084GTA	41,620
		KAW6D116ETA	52,386	KAW6D116GTA	53,432
		KAW6D144ETA	62,452	KAW6D144GTA	63,701
	3	KAW6D174ETA	69,245	KAW6D174GTA	70,633
		KAW6D216ETA	94,687	KAW6D216GTA	96,579
	4	KAW6D235ETA	101,704	KAW6D235GTA	103,738
		KAW6D292ETA	108,721	KAW6D292GTA	110,897

WAREHOUSE

MEDIUM TEMP ELECTRIC DEFROST CONFIGURABLE OPTIONS

No. of Fans	Factory Mounted Options // List Price Adder (\$US)						
	TXV	EEV ¹	EcoNet® 2.0 Control Package w/Sporlan SER ²	KE2 Evaporator Defrost Control Package ³	Mechanical Thermostat	Electronic Thermostat	Insulated Drain Pan
1	1,446	2,472	8,537	12,638	567	850	1,177
2	2,205	2,472	8,537	13,238	567	850	1,565
3	2,205	3,414	8,537	14,180	567	850	2,014
4	2,205	3,414	8,537	14,387	567	850	2,314

EcoNet® 1.0 & EcoNet® 2.0 Control Package w/Sporlan OEV Control Package **no longer available**

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 and Electronic Expansion Valve (EEV).

Shipped-Loose Accessories are found on page 43 • 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.

WAREHOUSE

Shipped Loose Accessories

CONTROLS & THERMOSTATS

Option Name	Option Description	List Price (\$US)
EcoNet® Command Center	EcoNet® Command Center for EcoNet® Enabled Unit Coolers	1,635
Mechanical Thermostat	Mechanical Thermostat: -30°F to + 100°F	533
Electronic Thermostat	Electronic Thermostat: -30°F to + 100°F	688

VALVES

Option Name	Range	List Price (\$US)
Electronic Expansion Valve (EEV)	1 to 15 Tons	1,907
	16 to 25 Tons	2,738
Thermostatic Expansion Valve (TXV)	1/4 to 3 Tons	625
	4 to 9 Tons	890
	10 to 30 Tons	1,566
Solenoid Shut-Off Valve (SSOV)†	1 to 2 Fans	861
	3 to 4 Fans	1,378
Check Shut-Off Valve (CSOV)†^	1 Fan	315
	2 Fans	1,014
	3 to 4 Fans	1,840

† A2L SSOV and CSOV Mitigation Valves must ship loose for field install

^ Not available on 3 & 4 fan Low Temperature Electric Defrost models

AIR-COOLED CONDENSING UNITS



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

NEXT-GEN MINICON

1/2 TO 6 HP



Model Nomenclature // Configurable Base Model

K	F	O	N	150	E	4A	D	A
Brand	Style	Compressor	Compressor Configuration	Horsepower	Temperature	Refrigerant	Voltage	Vintage
K - Kramer	F - Flooded B - Non-Flooded	O - Scroll	N - Single Horizontal (Small)	150 = 1.5 HP	E - Extended Medium L - Low M - Medium	4A - R454A, R454C, R455A	D - 208-230/1/60 E - 208-230/3/60 G - 460/3/60 M - 200-220/1/50 N - 200-220/3/50 Q - 380/3/50	A

Pre-Configuration Code¹

NT

Pre-Assembly Code

NT - No Defrost Timer /Kit²

50 Hz available. Contact Factory for additional information.

- 1 Pre-Configuration Codes are used to show common Factory Mounted options and are not available for every model.
- 2 "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



● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

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	●
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 FM1 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	○
Additional compressor cooling	○

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			4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	Standard Defrost Provision(s)	List Price (\$US)	
MED TEMP	FM1	0.5	YB06KAE	KFON060M4ADA	Air Defrost Timer	14,133	446
		0.75	YB07KAE	KFON080M4ADA	Air Defrost Timer	14,925	446
		1.0	YB08KAE	KFON100M4ADA	Air Defrost Timer	15,203	446
EXTENDED MEDIUM TEMPERATURE	FM2	1.0	YS09KAE	KFON130E4ADA	Air Defrost Timer	16,097	446
		1.25	YS11KAE	KFON150E4ADA	Air Defrost Timer	16,205	446
		1.5	YS12KAE	KFON180E4ADA	Air Defrost Timer	17,926	446
	FM3	2.0	YS14KAE	KFON200E4ADA	Air Defrost Timer	17,943	446
		2.5	YS16KAE	KFON250E4ADA	Air Defrost Timer	18,286	446
	FM4	2.8	YS19KAE	KFON280E4ADA	Air Defrost Timer	19,305	585
		3.0	YS21KAE	KFON300E4ADA	Air Defrost Timer	19,569	585
		3.5	YS24KAE	KFON350E4ADA	Air Defrost Timer	21,496	585
		4.0	YS26KAE	KFON400E4ADA	Air Defrost Timer	21,791	607
		4.5	YS30KAE	KFON450E4ADA	Air Defrost Timer	23,515	607
		5.0	YS33KAE	KFON500E4ADA	Air Defrost Timer	24,602	628
LOW TEMPERATURE	FM1	1.0	YF03KAE	KFON100L4ADA	ED-5	16,290	446
		1.3	YF04KAE	KFON130L4ADA	ED-5	16,997	446
		1.5	YF05KAE	KFON160L4ADA	ED-5	17,761	446
	FM2	2.3	YF07KAE	KFON230L4ADA	ED-7	18,844	446
	FM3	2.5	YF06KSE	KFON250L4ADA	ED-7	20,350	446
		3.0	YF07KSE	KFON300L4ADA	ED-7	21,078	585
		3.5	YF09KSE	KFON350L4ADA	ED-10	23,288	585
	FM4	4.0	YF10KAE	KFON400L4ADA	ED-10	26,241	607
		5.0	YF13KAE	KFON500L4ADA	ED-10	27,115	628

- Factory Mounted Options are found on page 55 & Shipped-Loose Accessories are found on page 56.

- 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.	208-230/1/60			4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	Standard Defrost Provision(s)	List Price (\$US)	
MED TEMP	FM1	0.5	YB06KAE	KBON060M4ADA	Air Defrost Timer	13,430	446
		0.75	YB07KAE	KBON080M4ADA	Air Defrost Timer	14,221	446
		1.0	YB08KAE	KBON100M4ADA	Air Defrost Timer	14,493	446
EXTENDED MEDIUM TEMPERATURE	FM2	1.0	YS09KAE	KBON130E4ADA	Air Defrost Timer	15,303	446
		1.25	YS11KAE	KBON150E4ADA	Air Defrost Timer	15,421	446
		1.5	YS12KAE	KBON180E4ADA	Air Defrost Timer	16,786	446
	FM3	2.0	YS14KAE	KBON200E4ADA	Air Defrost Timer	17,086	446
		2.5	YS16KAE	KBON250E4ADA	Air Defrost Timer	17,416	446
	FM4	2.8	YS19KAE	KBON280E4ADA	Air Defrost Timer	18,491	585
		3.0	YS21KAE	KBON300E4ADA	Air Defrost Timer	18,841	585
		3.5	YS24KAE	KBON350E4ADA	Air Defrost Timer	20,639	585
		4.0	YS26KAE	KBON400E4ADA	Air Defrost Timer	20,957	607
		4.5	YS30KAE	KBON450E4ADA	Air Defrost Timer	22,721	607
		5.0	YS33KAE	KBON500E4ADA	Air Defrost Timer	23,870	628
LOW TEMPERATURE	FM1	1.0	YF03KAE	KBON100L4ADA	ED-5	15,408	446
		1.3	YF04KAE	KBON130L4ADA	ED-5	16,175	446
		1.5	YF05KAE	KBON160L4ADA	ED-5	16,979	446
	FM2	2.3	YF07KAE	KBON230L4ADA	ED-7	18,107	446
	FM3	2.5	YF06KSE	KBON250L4ADA	ED-7	19,644	446
		3.0	YF07KSE	KBON300L4ADA	ED-7	20,843	585
		3.5	YF09KSE	KBON350L4ADA	ED-10	22,513	585
	FM4	4.0	YF10KAE	KBON400L4ADA	ED-10	25,533	607
		5.0	YF13KAE	KBON500L4ADA	ED-10	26,289	628

- Factory Mounted Options are found on page 55 & Shipped-Loose Accessories are found on page 56.

- 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 // 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	YB06KAE	KFON060M4ADANT	13,231	446
		0.75	YB07KAE	KFON080M4ADANT	14,023	446
		1	YB08KAE	KFON100M4ADANT	14,301	446
EXTENDED MEDIUM TEMPERATURE	FM2	1	YS09KAE	KFON130E4ADANT	15,195	446
		1.25	YS11KAE	KFON150E4ADANT	15,303	446
		1.5	YS12KAE	KFON180E4ADANT	17,024	446
	FM3	2	YS14KAE	KFON200E4ADANT	17,041	446
		2.5	YS16KAE	KFON250E4ADANT	17,384	446
	FM4	2.8	YS19KAE	KFON280E4ADANT	18,403	585
		3	YS21KAE	KFON300E4ADANT	18,667	585
		3.5	YS24KAE	KFON350E4ADANT	20,594	585
		4	YS26KAE	KFON400E4ADANT	20,889	607
		4.5	YS30KAE	KFON450E4ADANT	22,613	607
		5	YS33KAE	KFON500E4ADANT	23,700	628
LOW TEMPERATURE	FM1	1	YF03KAE	KFON100L4ADANT	15,204	446
		1.3	YF04KAE	KFON130L4ADANT	15,911	446
		1.5	YF05KAE	KFON160L4ADANT	16,675	446
	FM2	2.3	YF07KAE	KFON230L4ADANT	17,758	446
	FM3	2.5	YF06KSE	KFON250L4ADANT	19,264	446
		3	YF07KSE	KFON300L4ADANT	19,992	585
		3.5	YF09KSE	KFON350L4ADANT	22,202	585
	FM4	4	YF10KAE	KFON400L4ADANT	25,155	607
		5	YF13KAE	KFON500L4ADANT	26,029	628

- Factory Mounted Options are found on page 55 & Shipped-Loose Accessories are found on page 56.

- 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			4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	Standard Defrost Provision(s)	List Price (\$US)	
MED TEMP	FM1	0.5	YB06KAE	KFON060M4AEA	Air Defrost Timer	14,301	446
		0.75	YB07KAE	KFON080M4AEA	Air Defrost Timer	15,317	446
		1.0	YB08KAE	KFON100M4AEA	Air Defrost Timer	15,499	446
EXTENDED MEDIUM TEMPERATURE	FM2	1.0	YS09KAE	KFON130E4AEA	Air Defrost Timer	16,049	446
		1.25	YS11KAE	KFON150E4AEA	Air Defrost Timer	16,314	446
		1.5	YS12KAE	KFON180E4AEA	Air Defrost Timer	17,630	446
	FM3	2.0	YS14KAE	KFON200E4AEA	Air Defrost Timer	18,067	446
		2.5	YS16KAE	KFON250E4AEA	Air Defrost Timer	18,521	446
	FM4	2.8	YS19KAE	KFON280E4AEA	Air Defrost Timer	19,599	585
		3.0	YS21KAE	KFON300E4AEA	Air Defrost Timer	19,909	585
		3.5	YS24KAE	KFON350E4AEA	Air Defrost Timer	21,833	585
		4.0	YS26KAE	KFON400E4AEA	Air Defrost Timer	22,441	607
		4.5	YS30KAE	KFON450E4AEA	Air Defrost Timer	23,048	607
		5.0	YS33KAE	KFON500E4AEA	Air Defrost Timer	24,876	628
		6.0	YS40KAE	KFON600E4AEA	Air Defrost Timer	27,601	628
LOW TEMPERATURE	FM1	1.0	YF03KAE	KFON100L4AEA	ED-5	16,506	446
		1.3	YF04KAE	KFON130L4AEA	ED-5	17,227	446
		1.5	YF05KAE	KFON160L4AEA	ED-5	18,000	446
	FM2	2.3	YF07KAE	KFON230L4AEA	ED-5	19,102	446
	FM3	2.5	YF06KSE	KFON250L4AEA	ED-6	20,714	446
		3.0	YF07KSE	KFON300L4AEA	ED-6	21,469	585
		3.5	YF09KSE	KFON350L4AEA	ED-7	23,553	585
	FM4	4.0	YF10KAE	KFON400L4AEA	ED-7	26,504	607
		5.0	YF13KAE	KFON500L4AEA	ED-11	27,262	628
		6.0	YF15KAE	KFON600L4AEA	ED-11	28,845	628

• Factory Mounted Options are found on page 55 & Shipped-Loose Accessories are found on page 56.

• 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.	208-230/3/60			4 Yr Compressor Protection Plan (Net Price Adder \$US)
				Model No.	Standard Defrost Provision(s)	List Price (\$US)	
MED TEMP	FM1	0.5	YB06KAE	KBON060M4AEA	Air Defrost Timer	13,591	446
		0.75	YB07KAE	KBON080M4AEA	Air Defrost Timer	14,613	446
		1.0	YB08KAE	KBON100M4AEA	Air Defrost Timer	14,795	446
EXTENDED MEDIUM TEMPERATURE	FM2	1.0	YS09KAE	KBON130E4AEA	Air Defrost Timer	15,324	446
		1.25	YS11KAE	KBON150E4AEA	Air Defrost Timer	15,581	446
		1.5	YS12KAE	KBON180E4AEA	Air Defrost Timer	16,732	446
	FM3	2.0	YS14KAE	KBON200E4AEA	Air Defrost Timer	17,204	446
		2.5	YS16KAE	KBON250E4AEA	Air Defrost Timer	17,675	446
	FM4	2.8	YS19KAE	KBON280E4AEA	Air Defrost Timer	18,786	585
		3.0	YS21KAE	KBON300E4AEA	Air Defrost Timer	19,159	585
		3.5	YS24KAE	KBON350E4AEA	Air Defrost Timer	20,983	585
		4.0	YS26KAE	KBON400E4AEA	Air Defrost Timer	21,606	607
		4.5	YS30KAE	KBON450E4AEA	Air Defrost Timer	22,227	607
		5.0	YS33KAE	KBON500E4AEA	Air Defrost Timer	24,147	628
		6.0	YS40KAE	KBON600E4AEA	Air Defrost Timer	26,649	628
LOW TEMPERATURE	FM1	1.0	YF03KAE	KBON100L4AEA	ED-5	15,414	446
		1.3	YF04KAE	KBON130L4AEA	ED-5	16,257	446
		1.5	YF05KAE	KBON160L4AEA	ED-5	17,120	446
	FM2	2.3	YF07KAE	KBON230L4AEA	ED-5	18,354	446
	FM3	2.5	YF06KSE	KBON250L4AEA	ED-6	20,012	446
		3.0	YF07KSE	KBON300L4AEA	ED-6	20,765	585
		3.5	YF09KSE	KBON350L4AEA	ED-7	22,846	585
	FM4	4.0	YF10KAE	KBON400L4AEA	ED-7	25,800	607
		5.0	YF13KAE	KBON500L4AEA	ED-11	26,557	628
		6.0	YF15KAE	KBON600L4AEA	ED-11	28,141	628

• Factory Mounted Options are found on page 55 & Shipped-Loose Accessories are found on page 56.

• 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 // 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	YB06KAE	KFON060M4AEANT	13,399	446
		0.75	YB07KAE	KFON080M4AEANT	14,415	446
		1.0	YB08KAE	KFON100M4AEANT	14,597	446
EXTENDED MEDIUM TEMPERATURE	FM2	1.0	YS09KAE	KFON130E4AEANT	15,147	446
		1.25	YS11KAE	KFON150E4AEANT	15,412	446
		1.5	YS12KAE	KFON180E4AEANT	16,728	446
	FM3	2.0	YS14KAE	KFON200E4AEANT	17,165	446
		2.5	YS16KAE	KFON250E4AEANT	17,619	446
	FM4	2.8	YS19KAE	KFON280E4AEANT	18,697	585
		3.0	YS21KAE	KFON300E4AEANT	19,007	585
		3.5	YS24KAE	KFON350E4AEANT	20,931	585
		4.0	YS26KAE	KFON400E4AEANT	21,539	607
		4.5	YS30KAE	KFON450E4AEANT	22,146	607
		5.0	YS33KAE	KFON500E4AEANT	23,974	628
		6.0	YS40KAE	KFON600E4AEANT	26,699	628
LOW TEMPERATURE	FM1	1.0	YF03KAE	KFON100L4AEANT	15,420	446
		1.3	YF04KAE	KFON130L4AEANT	16,141	446
		1.5	YF05KAE	KFON160L4AEANT	16,914	446
	FM2	2.3	YF07KAE	KFON230L4AEANT	18,016	446
	FM3	2.5	YF06KSE	KFON250L4AEANT	19,628	446
		3.0	YF07KSE	KFON300L4AEANT	20,383	585
		3.5	YF09KSE	KFON350L4AEANT	22,467	585
	FM4	4.0	YF10KAE	KFON400L4AEANT	25,418	607
		5.0	YF13KAE	KFON500L4AEANT	26,176	628
		6.0	YF15KAE	KFON600L4AEANT	27,759	628

- Factory Mounted Options are found on page 55 & Shipped-Loose Accessories are found on page 56.

- 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	YS09KAE	KFON130E4AGA	Air Defrost Timer	17,664	446
	FM2	1.25	YS11KAE	KFON150E4AGA	Air Defrost Timer	18,095	446
		1.5	YS12KAE	KFON180E4AGA	Air Defrost Timer	18,964	446
	FM3	2.0	YS14KAE	KFON200E4AGA	Air Defrost Timer	19,179	446
		2.5	YS16KAE	KFON250E4AGA	Air Defrost Timer	19,450	446
	FM4	2.8	YS19KAE	KFON280E4AGA	Air Defrost Timer	20,498	585
		3.0	YS21KAE	KFON300E4AGA	Air Defrost Timer	20,743	585
		3.5	YS24KAE	KFON350E4AGA	Air Defrost Timer	22,609	585
		4.0	YS26KAE	KFON400E4AGA	Air Defrost Timer	23,499	607
		4.5	YS30KAE	KFON450E4AGA	Air Defrost Timer	25,369	607
		5.0	YS33KAE	KFON500E4AGA	Air Defrost Timer	25,644	628
		6.0	YS40KAE	KFON600E4AGA	Air Defrost Timer	28,380	628
LOW TEMPERATURE	FM2	2.3	YF07KAE	KFON230L4AGA	ED-17	20,719	446
	FM3	2.5	YF06KSE	KFON250L4AGA	ED-17	22,335	446
		3.0	YF07KSE	KFON300L4AGA	ED-17	22,717	585
		3.5	YF09KSE	KFON350L4AGA	ED-17	24,325	585
	FM4	4.0	YF10KAE	KFON400L4AGA	ED-17	26,877	607
		5.0	YF13KAE	KFON500L4AGA	ED-17	27,712	628
		6.0	YF15KAE	KFON600L4AGA	ED-17	29,309	628

- Factory Mounted Options are found on page 55 & Shipped-Loose Accessories are found on page 56.

- 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	YS11KAE	KBON150E4AGA	Air Defrost Timer	17,362	446
		1.5	YS12KAE	KBON180E4AGA	Air Defrost Timer	18,152	446
	FM3	2.0	YS14KAE	KBON200E4AGA	Air Defrost Timer	18,366	446
		2.5	YS16KAE	KBON250E4AGA	Air Defrost Timer	18,638	446
	FM4	2.8	YS19KAE	KBON280E4AGA	Air Defrost Timer	19,723	585
		3.0	YS21KAE	KBON300E4AGA	Air Defrost Timer	20,037	585
		3.5	YS24KAE	KBON350E4AGA	Air Defrost Timer	21,789	585
		4.0	YS26KAE	KBON400E4AGA	Air Defrost Timer	22,741	607
		4.5	YS30KAE	KBON450E4AGA	Air Defrost Timer	24,368	607
		5.0	YS33KAE	KBON500E4AGA	Air Defrost Timer	24,865	628
		6.0	YS40KAE	KBON600E4AGA	Air Defrost Timer	27,558	628
	FM4	2.3	YF07KAE	KBON230L4AGA	ED-17	19,562	446
		2.5	YF06KSE	KBON250L4AGA	ED-17	21,218	446
		3.0	YF07KSE	KBON300L4AGA	ED-17	21,911	585
		3.5	YF09KSE	KBON350L4AGA	ED-17	23,621	585
		4.0	YF10KAE	KBON400L4AGA	ED-17	26,173	607
		5.0	YF13KAE	KBON500L4AGA	ED-17	27,005	628
		6.0	YF15KAE	KBON600L4AGA	ED-17	28,603	628

• Factory Mounted Options are found on page 55 & Shipped-Loose Accessories are found on page 56.

• 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)
Crankcase Heater	ALL	STANDARD
Fixed High/Adjustable Low Pressure Control	ALL	STANDARD
Dual Pressure Control	ALL	633
Adjustable Head Pressure Control Valve	FM1-FM3	565
Liquid Line With Components: Sealed Filter	ALL	STANDARD
Liquid Line Without Components: Pipe Only	FM1	(483)
	FM2 - FM4	(573)
Liquid Line with Premium Components: Replaceable Core Filter/Drier	FM4	933
Suction Line Components: Sealed Filter	FM1	605
	FM2 - FM4	721
Suction Line Components: Replaceable Core Filter	FM4	2,122
Suction Line Accumulator	FM1	934
	FM2 - FM4	1,441
Additional Compressor Cooling for Medium Temp Models - Liquid injection, dual pressure control, suction accumulator, and insulated suction line components & piping	FM1	3,220
	FM2 - FM4	3,727
Additional Compressor Cooling for Low Temp Models - Dual pressure control and insulated suction line components and piping	ALL	1,687
Oil Separator	FM4	2,292
	FM1	922
	FM2	2,091
	FM3	2,205
	FM4	2,262
Compressor Pump-down Switch	ALL	597
Heated & Insulated Receiver (temperature controlled with low pressure bypass timer)	ALL	1,264
Phase Loss Monitor [^]	ALL	2,072
Copper Fins Or Electro Fin Coated Coil	ALL	CONTACT FACTORY
Thru The Door - Non - Fused - Disconnect Switch	FM1 - FM2	888
	FM3 - FM4	1,181
External Fused Disconnect (Mounted)	FM1 - FM2	999
	FM3 - FM4	1,841

Continued on next page

NEXT-GEN MINI-CON • 1/2 TO 6 HP

FACTORY INSTALLED OPTIONS // GENERAL (continued)

Option Description	Cabinet Size	List Price Adder (\$US)
Variable Speed EC Motors & Controller	FM1	1,965
	FM2	2,674
	FM3	2,984
	FM4	2,171

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	(902)	-
Standard Defrost Kit (ED5 - ED11)	ALL	-	STANDARD
Substitute Standard Air Defrost Timer For Standard Defrost Kit (ED5-ED11)	ALL	184	-
Remove Standard Defrost Kit	ALL	-	(1,086)

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

^ Only available on units that are 3 Phase.

* 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 57

SHIPPED-LOOSE ACCESSORIES

Option Description	Cabinet Size	List Price Adder (\$US)
Crankcase Pressure Regulating Valve	ALL	CONTACT FACTORY
External Fused Disconnect	FM4	1,688
Two-Tiered Stacking Rack	ALL	CONTACT FACTORY
Snow / Hail Guards	FM1	691
	FM2	763
	FM3	827
	FM4	1,012
Snow Legs	ALL	460

NEXT-GEN MINI-CON • 1/2 TO 6 HP

Electric Defrost Kits

Defrost Kit Nomenclature					
ED	1	2	-	M	48
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)	2 - 208-230
				B - 1 Phase Fan Motor(s), 3 Phase Heaters(s)	4 - 460
				C - 3 Phase Fan Motor(s), 3 Phase Heater(s)	

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 feature 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)	‡ Fan Contactor	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

† Heater contactor amperage is based on its resistive rating.

‡ Fan motor contactor amperage is based on its inductive rating.

POWER CONNECTION

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

Kit Model	Max Amps	List Price (\$US)
EF-30A	30A	650
EF-60A	60A	851

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 3 PH. FANS 3 PH. HTRS	460 V 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	-	-	-	1,087
	20 Amps Heater (w/ relay)	ED6-A2	-	-	-	1,087
	25 Amps Heater (w/ relay)	ED7-A2	-	-	-	1,087
	Up to 30 Amps Heater (w/ relay)	ED10-A2	-	-	-	1,087
	30 Amps - Heater (w/ contactors)	-	ED11-B2	-	-	1,087
2	Up to 30 Amps Heater (w/ relay)	ED210-A2	-	-	-	1,184
	30 Amps Heater	ED211-A2	ED211-B2	-	-	1,184
	50 Amps Heater	ED213-A2	ED213-B2	-	-	2,377
	Up to 15 Amps Heaters each (w/relays)	ED20-A2	-	-	-	3,392
	15 Amps Heaters each	ED21-A2	ED21-B2	-	-	3,392
	25 Amps Heaters each (w/relays)	ED23-A2	-	-	-	3,487
	25 Amps Heaters each (w/contactors)	-	ED23-B2	-	-	3,487
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	-	-	-	1,087
	30 Amps Heater	ED12-A4	ED12-BX	ED12-C2	ED12-C4	2,476
	50 Amps Heater	-	ED14-BX	ED14-C2	ED14-C4	2,898
2	Up to 15 Amps Heaters per Unit Cooler	-	ED22-BX	ED22-C2	ED22-C4	4,166
	25 Amps Heaters per Unit Cooler	-	ED24-BX	ED24-C2	ED24-C4	4,166

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

NEXT-GEN II

3 TO 22 HP



Model Nomenclature // Configurable Base Model

K	F	D	S	004	M	4A	E	A
Brand	Style	Compressor	Compressor Configuration	Horsepower	Temperature	Refrigerant	Voltage	Vintage
K - Kramer	F - Flooded B - Non-Flooded	D - Discus O - Scroll B - Bitzer	S - Single	004 - 4HP	E - Extended Medium L - Low M - Medium	4A - R454A, R454C, R455A	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.

● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

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 Refflex® hoses	●
Vertical receiver with isolation valves	●
Refrigerant pressure relief valve on FD2 and FD3 Cabinets.	●
Integral liquid sub-cooling circuit	●
Suction line piping (filter optional)	●
Heavy duty three phase condenser fan motor(s)	●
Crankcase heater	●
Control circuit fuses	●

Continued on next page

NEXT-GEN II

3 TO 22 HP



● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

Compressor Pump-down Switch	●
Large electrical panel with hinged door	●
208-230 V control voltage	●
Color coded point-to-point wiring	●
Liquid Injection / Demand Cooling™ (Low Temp. Bitzer & Discus compressors)	●
Flooded models include flooded head pressure control (70°F)	●
Non-flooded models include fan cycle control	●
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	○
Additional compressor cooling	○

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)
FD1	2YC3R51KE	04	208-230/3/60	KFDS004M4AEA	43,165	1,077
			460/3/60	KFDS004M4AGA	45,852	
	2YD3R59KE	05	208-230/3/60	KFDS005M4AEA	43,945	1,077
			460/3/60	KFDS005M4AGA	46,523	
FD2	2YL3R73KE	06	208-230/3/60	KFDS006M4AEA	54,579	1,300
			460/3/60	KFDS006M4AGA	58,375	
	2YA3R82K0	07	208-230/3/60	KFDS007M4AEA	55,739	1,300
			460/3/60	KFDS007M4AGA	59,144	
	3YA3R99KE	08	208-230/3/60	KFDS008M4AEA	62,506	1,300
			460/3/60	KFDS008M4AGA	66,252	
	3YB3R11ME	10	208-230/3/60	KFDS010M4AEA	67,029	1,697
			460/3/60	KFDS010M4AGA	70,495	
FD3	3YF3R14ME	12	208-230/3/60	KFDS012M4AEA	72,609	2,066
			460/3/60	KFDS012M4AGA	75,451	
	3YS3R16ME	15	208-230/3/60	KFDS015M4AEA	74,217	2,631
			460/3/60	KFDS015M4AGA	76,722	

Factory Mounted Options start on page 73

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)
FD1	2YC3R51KE	04	208-230/3/60	KBDS004M4AEA	40,387	1,077
			460/3/60	KBDS004M4AGA	43,021	
	2YD3R59KE	05	208-230/3/60	KBDS005M4AEA	41,147	1,077
			460/3/60	KBDS005M4AGA	43,679	
FD2	2YL3R73KE	06	208-230/3/60	KBDS006M4AEA	51,582	1,300
			460/3/60	KBDS006M4AGA	55,308	
	2YA3R82K0	07	208-230/3/60	KBDS007M4AEA	52,717	1,300
			460/3/60	KBDS007M4AGA	56,062	
	3YA3R99KE	08	208-230/3/60	KBDS008M4AEA	59,361	1,300
			460/3/60	KBDS008M4AGA	63,032	
	3YB3R11ME	10	208-230/3/60	KBDS010M4AEA	63,797	1,697
			460/3/60	KBDS010M4AGA	67,199	
FD3	3YF3R14ME	12	208-230/3/60	KBDS012M4AEA	69,270	2,066
			460/3/60	KBDS012M4AGA	72,060	
	3YS3R16ME	15	208-230/3/60	KBDS015M4AEA	72,254	2,631
			460/3/60	KBDS015M4AGA	74,758	

Factory Mounted Options start on page 73

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)
FD1	2YF3F13KE	03	208-230/3/60	KFDS003L4AEA	46,425	1,077
			460/3/60	KFDS003L4AGA	49,642	
	2YL3F15KE	04	208-230/3/60	KFDS004L4AEA	50,899	1,077
			460/3/60	KFDS004L4AGA	54,161	
	2YA3F17KE	05	208-230/3/60	KFDS005L4AEA	52,129	1,300
			460/3/60	KFDS005L4AGA	55,831	
FD2	3YA3F21KE	06	208-230/3/60	KFDS006L4AEA	56,837	1,300
			460/3/60	KFDS006L4AGA	60,573	
	3YB3F24KE	08	208-230/3/60	KFDS008L4AEA	63,633	1,300
			460/3/60	KFDS008L4AGA	66,640	
	3YF3F29K0	09	208-230/3/60	KFDS009L4AEA	71,204	1,697
			460/3/60	KFDS009L4AGA	75,416	
	3YS3F33KE	10	208-230/3/60	KFDS010L4AEA	77,299	1,697
			460/3/60	KFDS010L4AGA	78,635	
	4YBNF40KE	12	208-230/3/60	KFDS012L4AEA	78,833	2,066
			460/3/60	KFDS012L4AGA	80,633	
	4YHNF46KE	15	208-230/3/60	KFDS015L4AEA	82,855	2,631
			460/3/60	KFDS015L4AGA	84,174	
FD3	4YJDF59KE	22	208-230/3/60	KFDS022L4AEA	93,902	3,241
			460/3/60	KFDS022L4AGA	95,477	

Factory Mounted Options start on page 73

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)
FD1	2YF3F13KE	03	208-230/3/60	KBDS003L4AEA	44,254	1,077
			460/3/60	KBDS003L4AGA	47,476	
	2YL3F15KE	04	208-230/3/60	KBDS004L4AEA	48,729	1,077
			460/3/60	KBDS004L4AGA	51,993	
	2YA3F17KE	05	208-230/3/60	KBDS005L4AEA	49,959	1,077
			460/3/60	KBDS005L4AGA	53,664	
FD2	3YA3F21KE	06	208-230/3/60	KBDS006L4AEA	54,674	1,300
			460/3/60	KBDS006L4AGA	58,409	
	3YB3F24KE	08	208-230/3/60	KBDS008L4AEA	61,463	1,300
			460/3/60	KBDS008L4AGA	64,477	
	3YF3F29K0	09	208-230/3/60	KBDS009L4AEA	69,038	1,697
			460/3/60	KBDS009L4AGA	73,245	
	3YS3F33KE	10	208-230/3/60	KBDS010L4AEA	75,133	1,697
			460/3/60	KBDS010L4AGA	76,468	
	4YBNF40KE	12	208-230/3/60	KBDS012L4AEA	76,667	2,066
			460/3/60	KBDS012L4AGA	78,465	
	4YHNF46KE	15	208-230/3/60	KBDS015L4AEA	80,694	2,631
			460/3/60	KBDS015L4AGA	82,007	
FD3	4YJDF59KE	22	208-230/3/60	KBDS022L4AEA	91,736	3,241
			460/3/60	KBDS022L4AGA	93,306	

Factory Mounted Options start on page 73

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)
FD1	YS26KAE	04	208-230/3/60	KFOS004E4AEA	38,922	607
			460/3/60	KFOS004E4AGA	41,996	
	YS30KAE	05	208-230/3/60	KFOS005E4AEA	39,615	628
			460/3/60	KFOS005E4AGA	42,632	
	YS33KAE	06	208-230/3/60	KFOS006E4AEA	45,140	628
			460/3/60	KFOS006E4AGA	48,761	
FD2	YS40KAE	07	208-230/3/60	KFOS007E4AEA	46,018	1,039
			460/3/60	KFOS007E4AGA	49,449	
	YB51KAE	08	208-230/3/60	KFOS008E4AEA	47,838	1,039
			460/3/60	KFOS008E4AGA	51,370	
	YB56KAE	09	208-230/3/60	KFOS009E4AEA	50,486	1,117
			460/3/60	KFOS009E4AGA	53,648	
	YB68KAE	10	208-230/3/60	KFOS010E4AEA	59,024	1,117
			460/3/60	KFOS010E4AGA	61,268	
FD3	YB83KAE	13	208-230/3/60	KFOS013E4AEA	65,369	1,330
			460/3/60	KFOS013E4AGA	65,519	
	YB100KAE	15	208-230/3/60	KFOS015E4AEA	72,988	1,340
			460/3/60	KFOS015E4AGA	76,321	

Factory Mounted Options start on page 73

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)
FD1	YS26KAE	04	208-230/3/60	KBOS004E4AEA	36,958	607
			460/3/60	KBOS004E4AGA	40,033	
	YS30KAE	05	208-230/3/60	KBOS005E4AEA	37,651	628
			460/3/60	KBOS005E4AGA	40,669	
	YS33KAE	06	208-230/3/60	KBOS006E4AEA	43,178	628
			460/3/60	KBOS006E4AGA	46,797	
FD2	YS40KAE	07	208-230/3/60	KBOS007E4AEA	44,056	1,039
			460/3/60	KBOS007E4AGA	47,487	
	YB51KAE	08	208-230/3/60	KBOS008E4AEA	44,970	1,039
			460/3/60	KBOS008E4AGA	48,435	
	YB56KAE	09	208-230/3/60	KBOS009E4AEA	47,571	1,117
			460/3/60	KBOS009E4AGA	50,668	
	YB68KAE	10	208-230/3/60	KBOS010E4AEA	55,943	1,117
			460/3/60	KBOS010E4AGA	58,143	
FD3	YB83KAE	13	208-230/3/60	KBOS013E4AEA	62,168	1,330
			460/3/60	KBOS013E4AGA	62,316	
	YB100KAE	15	208-230/3/60	KBOS015E4AEA	69,643	1,340
			460/3/60	KBOS015E4AGA	72,912	

Factory Mounted Options start on page 73

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)
FD1	YF19KAE	08	208-230/3/60	KFOS008L4AEA	48,997	1,039
			460/3/60	KFOS008L4AGA	51,892	
FD2	YF26KAE	10	208-230/3/60	KFOS010L4AEA	60,816	1,117
			460/3/60	KFOS010L4AGA	64,390	
	YF32KAE	13	208-230/3/60	KFOS013L4AEA	68,734	1,330
			460/3/60	KFOS013L4AGA	69,911	
	YF38KAE	15	208-230/3/60	KFOS015L4AEA	71,019	1,340
			460/3/60	KFOS015L4AGA	72,621	

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)
FD1	YF19KAE	08	208-230/3/60	KBOS008L4AEA	46,825	1,039
			460/3/60	KBOS008L4AGA	49,722	
FD2	YF26KAE	10	208-230/3/60	KBOS010L4AEA	58,644	1,117
			460/3/60	KBOS010L4AGA	62,223	
	YF32KAE	13	208-230/3/60	KBOS013L4AEA	66,566	1,330
			460/3/60	KBOS013L4AGA	67,746	
	YF38KAE	15	208-230/3/60	KBOS015L4AEA	68,852	1,340
			460/3/60	KBOS015L4AGA	70,455	

Factory Mounted Options start on page 73

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)
FD1	2DES-3	03	208-230/3/60	KFBS003E4AEA	46,468	1,077
			460/3/60	KFBS003E4AGA	49,516	
	2CES-4	04	208-230/3/60	KFBS004E4AEA	47,203	1,077
			460/3/60	KFBS004E4AGA	50,139	
	4FES-5	05	208-230/3/60	KFBS005E4AEA	47,963	1,077
			460/3/60	KFBS005E4AGA	50,793	
FD2	4EES-6	06	208-230/3/60	KFBS006E4AEA	52,573	1,300
			460/3/60	KFBS006E4AGA	54,557	
	4DES-7	07	208-230/3/60	KFBS007E4AEA	57,116	1,300
			460/3/60	KFBS007E4AGA	58,256	
	4CES-9	08	208-230/3/60	KFBS008E4AEA	65,611	1,300
			460/3/60	KFBS008E4AGA	68,893	
	4TES-12	10	208-230/3/60	KFBS010E4AEA	66,405	1,697
			460/3/60	KFBS010E4AGA	70,327	
FD3	4PES-15	12	208-230/3/60	KFBS012E4AEA	69,225	2,066
			460/3/60	KFBS012E4AGA	72,835	
	4NES-20	15	208-230/3/60	KFBS015E4AEA	70,803	2,631
			460/3/60	KFBS015E4AGA	74,266	

Factory Mounted Options start on page 73

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)
FD1	2DES-3	03	208-230/3/60	KBBS003E4AEA	44,508	1,077
			460/3/60	KBBS003E4AGA	47,555	
	2CES-4	04	208-230/3/60	KBBS004E4AEA	45,239	1,077
			460/3/60	KBBS004E4AGA	48,177	
	4FES-5	05	208-230/3/60	KBBS005E4AEA	46,006	1,077
			460/3/60	KBBS005E4AGA	48,832	
FD2	4EES-6	06	208-230/3/60	KBBS006E4AEA	50,612	1,300
			460/3/60	KBBS006E4AGA	52,596	
	4DES-7	07	208-230/3/60	KBBS007E4AEA	55,155	1,300
			460/3/60	KBBS007E4AGA	56,296	
	4CES-9	08	208-230/3/60	KBBS008E4AEA	62,406	1,300
			460/3/60	KBBS008E4AGA	65,625	
	4TES-12	10	208-230/3/60	KBBS010E4AEA	63,180	1,697
			460/3/60	KBBS010E4AGA	67,029	
FD3	4PES-15	12	208-230/3/60	KBBS012E4AEA	65,951	2,066
			460/3/60	KBBS012E4AGA	69,492	
	4NES-20	15	208-230/3/60	KBBS015E4AEA	67,497	2,631
			460/3/60	KBBS015E4AGA	70,896	

Factory Mounted Options start on page 73

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)
FD1	4FES-3	03	208-230/3/60	KFBS003L4AEA	45,529	1,077
			460/3/60	KFBS003L4AGA	47,315	
	4EES-4	04	208-230/3/60	KFBS004L4AEA	50,038	1,077
			460/3/60	KFBS004L4AGA	51,822	
	4DES-5	05	208-230/3/60	KFBS005L4AEA	52,579	1,077
			460/3/60	KFBS005L4AGA	54,548	
	4CES-6	06	208-230/3/60	KFBS006L4AEA	62,988	1,300
			460/3/60	KFBS006L4AGA	65,543	
FD2	4TES-9	07	208-230/3/60	KFBS008L4AEA	67,378	1,300
			460/3/60	KFBS008L4AGA	69,826	
	4PES-12	08	208-230/3/60	KFBS009L4AEA	72,135	1,300
			460/3/60	KFBS009L4AGA	74,453	
	4NES-14	10	208-230/3/60	KFBS010L4AEA	76,965	1,697
			460/3/60	KFBS010L4AGA	79,285	
	4JE-15	12	208-230/3/60	KFBS012L4AEA	82,958	2,066
			460/3/60	KFBS012L4AGA	85,276	
	4HE-18	15	208-230/3/60	KFBS015L4AEA	89,088	2,631
			460/3/60	KFBS015L4AGA	91,398	
FD3	4GE-23	22	208-230/3/60	KFBS022L4AEA	91,398	3,241
			460/3/60	KFBS022L4AGA	94,774	

Factory Mounted Options start on page 73

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)
FD1	4FES-3	03	208-230/3/60	KBBS003L4AEA	43,362	1,077
			460/3/60	KBBS003L4AGA	45,147	
	4EES-4	04	208-230/3/60	KBBS004L4AEA	47,868	1,077
			460/3/60	KBBS004L4AGA	49,651	
	4DES-5	05	208-230/3/60	KBBS005L4AEA	50,409	1,077
			460/3/60	KBBS005L4AGA	52,377	
	4CES-6	06	208-230/3/60	KBBS006L4AEA	60,822	1,300
			460/3/60	KBBS006L4AGA	63,377	
FD2	4TES-9	07	208-230/3/60	KBBS008L4AEA	65,206	1,300
			460/3/60	KBBS008L4AGA	67,661	
	4PES-12	08	208-230/3/60	KBBS009L4AEA	69,965	1,300
			460/3/60	KBBS009L4AGA	72,282	
	4NES-14	10	208-230/3/60	KBBS010L4AEA	74,797	1,697
			460/3/60	KBBS010L4AGA	77,111	
	4JE-15	12	208-230/3/60	KBBS012L4AEA	80,790	2,066
			460/3/60	KBBS012L4AGA	83,106	
	4HE-18	15	208-230/3/60	KBBS015L4AEA	86,920	2,631
			460/3/60	KBBS015L4AGA	89,229	
FD3	4GE-23	22	208-230/3/60	KBBS022L4AEA	84,596	3,241
			460/3/60	KBBS022L4AGA	92,604	

Factory Mounted Options start on page 73

NEXT-GEN II • 3 TO 22 HP

FACTORY INSTALLED OPTIONS // ELECTRICAL OPTIONS

All options are factory mounted unless otherwise noted

Option Description	H.P Range/Cabinet	List Price Adder (\$US)
Through the Door Non-fused Disconnect Switch (only available mounted)	3-10	3,070
	12-22	3,434
External Fused Disconnect (available loose or mounted)	3 - 6	1,988
	7 - 10	2,363
	12 - 22	5,042
	3 - 6	2,334
	7 - 10	4,200
	12 - 22	6,933
Main Circuit Breaker	3 - 6	2,839
	7 - 10	3,575
	12 - 22	4,497
† Phase Loss Monitor	ALL	2,234
Anti Short Cycle Timer	ALL	1,321
Air Defrost Timer	ALL	1,099
Current Sensing Relay (Run proof)	ALL	1,464
Compressor Unloaders (Suction pressure control. Medium Temp reciprocating compressors only. 1 Step for 3D and larger compressors.)	When Available	4,109
Variable Speed EC Motors & Controller	FD1	4,986
	FD2 & FD3	8,466

† 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	2,264	DMB35	35	3,430	DMC35	35	5,160
DMA20	20	2,264	DMB40	40	3,430	DMC40	40	5,160
DMA24	24	2,264	DMB48	48	3,430	DMC48	48	5,160
DMA30	30	2,264	DMB60	60	4,933	DMC60	60	6,379
DMA35	35	2,529	DMB96	96	4,933	DMC96	96	6,379
DMA40	40	2,529						
DMA48	48	2,529						
DMB60	60	4,933						
DMB96	96	4,933						

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

All options are factory mounted unless otherwise noted

Option Description	H.P Range/Cabinet	List Price Adder (\$US)
Suction Line Filter (sealed)	3 - 8	884
	9 - 10	1,501
	12 - 22	2,339
Replaceable Core Suction Filter ¹	3 - 8	1,699
	9 - 10	2,319
	12 - 22	3,141
Replaceable Core Liquid Filter ¹	3 - 8	1,496
	9 - 10	1,700
	12 - 22	1,925
Suction Line Accumulator	3 - 8	1,496
	9 - 10	2,200
	12 - 22	4,593
Oil Separator	3 - 6	2,547
	7 - 10	2,713
	12 - 22	3,186
Oversized Receivers	FD1	2,248
	FD2	1,258
	FD3	1,271
Pressure Relief Valve	FD1 (standard receiver)	570
Heated & Insulated Receiver (temperature controlled with low pressure bypass timer)	ALL	1,480
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	3 - 5	2,930
	6 - 9	3,248
	10 - 15	6,054
	22	9,472
Additional Compressor Cooling for Medium Temp Models - Liquid injection TREV, suction accumulator, and insulated suction line components and piping	3 - 8	3,577
	9 - 10	4,281
	12 - 22	6,674
Additional Compressor Cooling for Low Temp Models - Insulated suction line components and piping	ALL	1,431

Continued on next page

NEXT-GEN II • 3 TO 22 HP

FACTORY INSTALLED OPTIONS // MECHANICAL OPTIONS (continued)

Option Description	H.P Range/Cabinet	List Price Adder (\$US)
Hail / Snow Guards~ (shipped loose to prevent shipping damage)	FD1	1,812
	FD2	2,476
	FD3	2,777
2 Unit Stacking Rack~ (shipped empty)	FD1 or FD2	Call Factory
3 Unit Stacking Rack~ (shipped empty)	FD1 or FD2	Call Factory

1 If ordering a Replaceable Core Suction Filter, a Replaceable Core Line Liquid Filter must also be ordered. If ordering a Replaceable Core Liquid Line Filter, a Replaceable Core Suction Filter must also be ordered.

~ Requires field installation. Condensing units must be field installed

QV-SERIES

15 TO 100 HP



Model Nomenclature // Configurable Base Model

K	F	D	V	030	M	4A	G	A
Brand	Style	Compressor	Compressor Configuration	Horsepower	Temperature	Refrigerant	Voltage	Vintage
K - Kramer	F - Flooded B - Non-Flooded	D - Discus B - Bitzer EcoLine	V - Single D - Dual P - Parallel Piped		L - Low M - Medium	4A - R454A, R454C, R455A	E - 208-230/3/60 G - 460/3/60	A

50 Hz available. Contact Factory for additional information.

● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

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	●
110V service convenience outlet	●
Service gauge hooks	●
3 Phase condenser fan motors	●

Continued on next page

QV-SERIES

15 TO 100 HP



● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

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	●
Liquid injection on low temperature compressors	●
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	○
Additional compressor cooling	○

QV-SERIES • 15 TO 100 HP

DISCUS COMPRESSOR // SINGLE COMPRESSOR
Configurable Base Models

" - " Not Available

	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	K*DV015M4A*A	3YS3R16ME	83,821	85,193	83,315	84,732	2,631
	20	K*DV020M4A*A	4YBNR19ME	92,773	94,080	90,800	92,658	3,241
	25	K*DV025M4A*A	4YHNR22ME	110,781	111,997	108,531	110,405	4,335
	30	K*DV030M4A*A	4YJNR27ME	129,482	130,896	122,471	123,991	4,496
	35	K*DV035M4A*A	6YHNR32ME	146,651	147,488	141,238	141,623	4,740
	40	K*DV040M4A*A	6YJNR39ME	161,383	163,626	155,154	157,428	5,471
	50	K*DV050M4A*A	6YUNR48ME	-	195,338	-	185,512	5,652
LOW TEMP	22	K*DV022L4A*A	4YJNF59KE	110,168	112,486	110,149	111,542	3,241
	27	K*DV027L4A*A	6YHNF68KE	127,524	128,542	125,053	127,309	4,335
	30	K*DV030L4A*A	6YJNF84KE	140,892	142,188	137,987	140,298	4,496
	40	K*DV040L4A*A	6YUNF10ME	-	177,044	-	174,154	4,740

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	K*BV015M4A*A	4NE-20	83,821	85,193	83,315	84,732	2,631
	20	K*BV020M4A*A	4JE-22	92,773	94,080	90,800	92,658	3,241
	25	K*BV025M4A*A	4HE-25	110,781	111,997	108,531	110,405	4,335
	30	K*BV030M4A*A	4GE-30	129,482	130,896	122,471	123,991	4,496
	35	K*BV035M4A*A	6HE-35	146,651	147,488	141,238	141,623	4,740
	40	K*BV040M4A*A	6GE-40	161,383	163,626	155,154	157,428	5,471
	50	K*BV050M4A*A	6FE-50	193,884	195,338	184,132	185,512	5,652
LOW TEMP	22	K*BV022L4A*A	4GE-23	110,168	112,486	110,149	111,542	3,241
	27	K*BV027L4A*A	6HE-28	127,524	128,542	125,053	127,309	4,335
	30	K*BV030L4A*A	6GE-34	140,892	142,188	137,987	140,298	4,496
	40	K*BV040L4A*A	6FE-44	175,728	177,044	173,198	174,154	4,740

- Factory Mounted Options start on page 81
- * Represents Flooded (F) or Non-Flooded (B) & Voltage 208-230/3/60 (E) or 460/3/60 (G)

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

QV-SERIES • 15 TO 100 HP

DISCUS COMPRESSOR // DUAL COMPRESSOR
Configurable Base Models

" - " Not Available

	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	K*DD030M4A*A	3YS3R16ME	167,642	170,386	166,630	169,464	4,496
	40	K*DD040M4A*A	4YBNR19ME	185,546	188,160	181,600	185,316	5,471
	50	K*DD050M4A*A	4YHNR22ME	221,562	223,994	217,062	220,810	5,652
	60	K*DD060M4A*A	4YJNR27ME	258,964	261,792	244,942	247,982	8,992
	70	K*DD070M4A*A	6YHNR32ME	293,302	294,976	282,476	283,246	9,480
	80	K*DD080M4A*A	6YJNR39ME	322,766	327,252	310,308	314,856	10,942
	100	K*DD100M4A*A	6YUNR48ME	-	390,676	-	371,024	11,304
LOW TEMP	44	K*DD044L4A*A	4YJNF59KE	220,336	224,972	220,298	223,084	6,482
	54	K*DD054L4A*A	6YHNF68KE	255,048	257,084	250,106	254,618	8,670
	60	K*DD060L4A*A	6YJNF84KE	281,784	284,376	275,974	280,596	8,992
	80	K*DD080L4A*A	6YUNF10ME	-	354,088	-	348,308	10,942

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	K*BD030M4A*A	4NE-20	167,642	170,386	166,630	169,464	4,496
	40	K*BD040M4A*A	4JE-22	185,546	188,160	181,600	185,316	5,471
	50	K*BD050M4A*A	4HE-25	221,562	223,994	217,062	220,810	5,652
	60	K*BD060M4A*A	4GE-30	258,964	261,792	244,942	247,982	8,992
	70	K*BD070M4A*A	6HE-35	293,302	294,976	282,476	283,246	9,480
	80	K*BD080M4A*A	6GE-40	322,766	327,252	310,308	314,856	10,942
	100	K*BD100M4A*A	6FE-50	387,768	390,676	368,264	371,024	11,304
LOW TEMP	44	K*BD044L4A*A	4GE-23	220,336	224,972	220,298	223,084	6,482
	54	K*BD054L4A*A	6HE-28	255,040	257,084	250,106	254,618	8,670
	60	K*BD060L4A*A	6GE-34	281,784	284,376	275,974	280,596	8,992
	80	K*BD080L4A*A	6FE-44	351,456	354,088	346,396	348,308	10,942

- Factory Mounted Options start on page 81
- * Represents Flooded (F) or Non-Flooded (B) & Voltage 208-230/3/60 (E) or 460/3/60 (G)

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

QV-SERIES • 15 TO 100 HP

DISCUS COMPRESSOR // PARALLEL PIPED COMPRESSOR
Configurable Base Models

" - " Not Available

	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	K*DP050M4A*A	4YHNR22ME	248,970	251,096	243,804	247,483	5,652
	60	K*DP060M4A*A	4YJNR27ME	284,058	286,638	267,787	270,671	8,992
	70	K*DP070M4A*A	6YHNR32ME	319,379	320,814	307,144	307,529	9,480
	80	K*DP080M4A*A	6YJNR39ME	346,408	351,808	332,495	337,957	10,492
	100	K*DP100M4A*A	6YUNR48ME	-	433,654	-	410,682	11,304
LOW TEMP	44	K*DP044L4A*A	4YJNF59KE	249,933	254,523	249,896	252,373	6,482
	54	K*DP054L4A*A	6YHNF68KE	282,739	284,418	277,158	281,670	8,670
	60	K*DP060L4A*A	6YJNF84KE	307,718	310,026	301,240	305,837	8,992
	80	K*DP080L4A*A	6YUNF10ME	-	393,039	-	386,514	10,942

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	K*BP050M4A*A	4HE-25	248,970	251,096	243,804	247,483	5,652
	60	K*BP060M4A*A	4GE-30	284,058	286,638	267,787	270,671	8,992
	70	K*BP070M4A*A	6HE-35	319,379	320,814	307,144	307,529	9,480
	80	K*BP080M4A*A	6GE-40	346,408	351,808	332,495	337,957	10,492
	100	K*BP100M4A*A	6FE-50	430,424	433,654	407,621	410,682	11,304
LOW TEMP	44	K*BP044L4A*A	4GE-23	249,933	254,523	249,896	252,373	6,482
	54	K*BP054L4A*A	6HE-28	282,739	284,418	277,158	281,670	8,670
	60	K*BP060L4A*A	6GE-34	307,718	310,026	301,240	305,837	8,992
	80	K*BP080L4A*A	6FE-44	455,019	393,039	383,632	386,514	10,942

- Factory Mounted Options start on page 81
- * Represents Flooded (F) or Non-Flooded (B) & Voltage 208-230/3/60 (E) or 460/3/60 (G)

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

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // SINGLE COMPRESSOR

All options are factory mounted unless otherwise noted.

Compressor Options

Option Description	Option Available On:	List Price Adder (\$US)
Compressor Unloading with Pressure Control for 1 Cycle Bank	BV015M, 020M-30M, 050M; 022L - 040L	3,148
Compressor Unloading with Pressure Control for 2 Cycle Bank	035M & 045M	5,272
Compressor Unloading: ModuloLoad	DV015M	7,768
Head Cooling Fan	All Models	3,276

Electrical and Control Panel Options

Option Description	Option Available On:	List Price Adder (\$US)
Air Defrost Time Clock	All Medium Temperature Models	1,057
Anti-Short Cycle Timer	All Models	913
Condenser Fan Breaker	015M -030M; 022L - 040L	1,377
	035M -050M	2,094
Control Circuit Breaker	All Models	448
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	2,787
	Models with 61A < MOPD < 101A	4,128
	Models with 101A < MOPD < 201A	7,071
Thru-the-door Main Breaker	Models with MOPD ≤ 100A	3,563
	Models with 101A < MOPD < 226A	5,780
Thru-the-door Non-Fused Disconnect	Models with MCA < 59A	2,509
	Models with 59A < MCA < 99A	3,642
	Models with 99A < MCA < 199A	6,023
Phase-Loss Monitor - 250A	230 V & 460 V	1,762
Phase-Loss Monitor - ICM450	230 V	2,569
	460 V	1,826

Refrigeration Options (continued on next page)

Option Description	Option Available On:	List Price Adder (\$US)
Crankcase Pressure Regulator Valves	015M	6,186
	020M - 040M; 022L - 030L	7,792
	050M & 040L	15,464

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // SINGLE COMPRESSOR

All options are factory mounted unless otherwise noted.

Refrigeration Options (continued)

Option Description	Option Available On:	List Price Adder (\$US)
Fan Cycling - Temperature or Pressure	All Flooded Models; Standard on Non-Flooded Models	2,779
Heat Reclaim Valve	All Models	6,430
Heated & Insulated Receiver	All Models	4,893
Hot Gas Bypass Tee & Ball Valve	All Models	1,508
Hot Gas Bypass Tee, Ball Valve & Regulator	All Models	8,742
Liquid-line Filter Isolation Valve (single valve)	All Models	870
Liquid Line Solenoid Valve (shipped loose)	015M - 025M; 022L - 040L	1,081
	030M - 035M	1,382
	040M - 050M	2,089
Oil Separator with Check Valve	015 - 030	2,998
	035 - 050	5,062
Oil Separator with Check Valve & Oil Return Service Kit	015 - 030	6,637
	035 - 050	9,397
Oversized Receiver	All Models	2,083
Receiver Level Gauge	All Models	2,583
Suction Accumulator - Standard	015	4,663
	020-050	5,393
Suction Accumulator - Heat Exchanger	015	5,780
	020-050	8,947
Suction-line Filter - Replaceable Core	015M	3,058
	020M - 040M; 022L - 030L	3,193
	050M & 040L	3,992
Suction-line Filter Isolation Valves	015M	1,427
	020M - 040M; 022L - 030L	2,297
	050M & 040L	3,996
Suction-line Insulation	All Models	2,529
Additional Compressor Cooling for Medium Temp Models - Liquid injection, suction accumulator, and insulated suction line components and piping	015	10,390
	020 - 025	13,557
	030 - 050	14,206
Additional Compressor Cooling for Low Temp Models - Insulated suction line components and piping	All Models	3,960

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // DUAL COMPRESSOR

All options are factory mounted unless otherwise noted.

Compressor Options

Option Description	Option Available On:	List Price Adder (\$US)
Compressor Unloading with Pressure Control for 1 Cycle Bank	BD030M, D040M - D060M, D100M; D044L - D080L	6,296
Compressor Unloading with Pressure Control for 2 Cycle Bank	D070M & D080M	10,545
Compressor Unloading: Moduload	DD030M	15,535
Head Cooling Fan	All Models	6,553

Electrical and Control Panel Options

Option Description	Option Available On:	List Price Adder (\$US)
Compressor Unloading with Pressure Control for 1 Cycle Bank	BD030M, D040M - D060M, D100M; D044L - D080L	6,296
Compressor Unloading with Pressure Control for 2 Cycle Bank	D070M & D080M	10,545
Compressor Unloading: Moduload	DD030M	15,535
Head Cooling Fan	All Models	6,553
Air Defrost Time Clock	All Medium Temperature Models	2,114
Anti-Short Cycle Timer	All Models	1,825
Condenser Fan Breaker	D030M -D060M; D044L - D080L	2,754
	D070M -D100M	4,187
Control Circuit Breaker	All Models	448
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	2,787
	Models with 61A < MOPD < 101A	4,128
	Models with 101A < MOPD < 226A	7,071
Thru-the-door Main Breaker	Models with MOPD ≤ 100A	3,563
	Models with 101A < MOPD < 226A	5,780
Thru-the-door Non-Fused Disconnect	Models with MCA < 59A	2,509
	Models with 59A < MCA > 99A	3,642
	Models with 99A < MCA < 199A	6,023
Phase-Loss Monitor - 250A	230 V & 460 V	3,523
Phase-Loss Monitor - ICM450	460 V	3,653

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // DUAL COMPRESSOR

All options are factory mounted unless otherwise noted.

Refrigeration Options

Option Description	Option Available On:	List Price Adder (\$US)
Crankcase Pressure Regulator Valves	D030M	12,372
	D040M - D080M; D044L - D060L	15,584
	D100M & D080L	30,929
Fan Cycling - Temperature or Pressure	All Flooded Models; Standard on Non-Flooded Models	5,559
Heat Reclaim Valve	All Models	12,860
Heated & Insulated Receiver	All Models	9,786
Hot Gas Bypass Tee & Ball Valve	All Models	3,017
Hot Gas Bypass Tee, Ball Valve & Regulator	All Models	17,484
Liquid-line Filter Isolation Valve (single valve per circuit)	All Models	1,741
Liquid Line Solenoid Valve (shipped loose)	030M - 050M; 044L - 080L	2,162
	060M - 070M	2,764
	080M - 100M	4,179
Oil Separator with Check Valve	D030 - D060	5,995
	D070 - D100	10,123
Oil Separator with Check Valve & Oil Return Service Kit	D030 - D060	13,273
	D070 - D100	18,794
Oversized Receiver	All Models	4,166
Receiver Level Gauge	All Models	5,166
Suction Accumulator - Standard	D030	9,326
	D040-D100	10,787
Suction Accumulator - Heat Exchanger	D030	11,560
	D040-D100	17,895
Suction-line Filter - Replaceable Core	D030M	6,116
	D040M - D080M; D044L - D060L	6,385
	D100M & D080L	7,984
Suction-line Filter Isolation Valves	D030M	2,854
	D040M - D080M; D044L - D060L	4,594
	D100M & D080L	7,992

Continued on next page

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // DUAL COMPRESSOR

All options are factory mounted unless otherwise noted.

Refrigeration Options (continued)

Option Description	Option Available On:	List Price Adder (\$US)
Suction-line Insulation	All Models	5,058
Additional Compressor Cooling (Medium Temp) - Liquid Injection (TREV), Suction Accumulator, and Insulated Suction Line Components & Piping	030	20,780
	040-050	27,114
	060-100	28,412
Additional Compressor Cooling (Low Temp) - Insulated Suction Line Components and Piping	ALL	7,812

FACTORY INSTALLED OPTIONS // PARALLEL-PIPED COMPRESSOR

Compressor Options

Option Description	Option Available On:	List Price Adder (\$US)
Compressor Unloading with Pressure Control for 1 Cycle Bank	P050M - P060M, P100M; P044L - P080L	6,296
Compressor Unloading with Pressure Control for 2 Cycle Bank	P070M & P080M	10,545
Head Cooling Fan	All Models	6,553

Electrical and Control Panel Options

Option Description	Option Available On:	List Price Adder (\$US)
Air Defrost Time Clock	All Medium Temperature Models	1,057
Anti-Short Cycle Timer	All Models	913
Condenser Fan Breaker	P050M -P060M; P044L - P080L	1,377
	P070M -P100M	2,094
Control Circuit Breaker	All Models	448
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	2,787
	Models with 61A < MOPD < 101A	4,128
	Models with 101A < MOPD < 201A	7,071
Thru-the-door Main Breaker	Models with MOPD ≤ 100A	3,563
	Models with 101A < MOPD < 226A	5,780

Continued on next page

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // PARALLEL-PIPED COMPRESSOR

All options are factory mounted unless otherwise noted.

Electrical and Control Panel Options (continued)

Option Description	Option Available On:	List Price Adder (\$US)
Thru-the-door Non-Fused Disconnect	Models with MCA < 59A	2,509
	Models with 59A < MCA > 99A	3,642
	Models with 99A < MCA < 199A	6,023
Phase-Loss Monitor - 250A	230 V & 460 V	1,762
Phase-Loss Monitor - ICM450	460 V	1,826

Refrigeration Options

Option Description	Option Available On:	List Price Adder (\$US)
Crankcase Pressure Regulator Valves	P050M-P60M	15,584
	P070M-P100M; P044L - P080L	18,193
Fan Cycling - Temperature or Pressure	All Flooded Models; Standard on Non-Flooded Models	5,559
Heat Reclaim Valve	All Models	6,430
Heated & Insulated Receiver	All Models	4,893
Hot Gas Bypass Tee & Ball Valve	All Models	1,508
Hot Gas Bypass Tee, Ball Valve & Regulator	All Models	8,742
Liquid-line Filter Isolation Valve (single valve per circuit)	All Models	870
Liquid Line Solenoid Valve (shipped loose)	050M - 060M	8,662
	070M - 100M	3,533
	044L - 080L	1,354
Oversized Receiver	All Models	2,083
Receiver Level Gauge	All Models	2,583
Suction Accumulator - Standard	P050M-P60M	6,472
	P070M-P100M; P044L - P080L	7,044
Suction Accumulator - Heat Exchanger	P050M-P60M	8,947
	P070M-P100M; P044L - P080L	9,887
Suction-line Filter - Replaceable Core	P050M-P60M	2,858
	P070M-P100M; P044L - P080L	3,193

Continued on next page

QV-SERIES • 15 TO 100 HP

FACTORY INSTALLED OPTIONS // PARALLEL-PIPED COMPRESSOR

All options are factory mounted unless otherwise noted.

Refrigeration Options (continued)

Option Description	Option Available On:	List Price Adder (\$US)
Suction-line Filter Isolation Valves	P050M-P60M	3,992
	P070M-P100M; P044L - P080L	6,310
Suction-line Insulation	All Models	5,058
Additional Compressor Cooling (Medium Temp) - Liquid Injection (TREV), Suction Accumulator, and Insulated Suction Line Components & Piping	030	20,780
	040-050	27,114
	060-100	28,412
Additional Compressor Cooling (Low Temp) - Insulated Suction Line Components & Piping	All Models	7,812

QV-SERIES • 15 TO 100 HP

Defrost Kits

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 // 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 ¹	2,913						
DLA30 ¹	3,027						
DLA35 ¹	3,408	DLB35 ¹	4,348	DLC35	5,940		
DLA40 ¹	3,408	DLB40 ¹	4,348	DLC40	5,940		
DLA48 ¹	3,408	DLB48 ¹	4,348	DLC48	5,940		
		DLB60 ^{1 2 4}	4,521	DLC60 ¹	5,940	DLD60	7,025
		DLB96 ^{1 2 4}	5,476	DLC96 ¹	6,300	DLD96	7,081
				DLC144 ¹	8,583	DLD144 ^{3 5}	8,641
						DLD192 ^{3 5}	9,082

FACTORY INSTALLED OPTIONS // Dual Compressor Models

1 Heater Contactor per Compressor		2 Heater Contactors per Compressor	
Kit Model	List Price (\$US)	Kit Model	List Price (\$US)
DLA24 ¹	2,913		
DLA30 ¹	3,027		
DLA35 ¹	3,408	DLB35 ¹	4,348
DLA40 ¹	3,408	DLB40 ¹	4,348
DLA48 ¹	3,408	DLB48 ¹	4,348
		DLB60 ^{1 2 4}	4,521
		DLB96 ^{1 2 4}	5,476

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)

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	1,607
TMR-EF-30A	30	1,703

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	193	1,450						
30	258	2,256						
35	258	2,256						
40	258	2,256						
48	258	2,256						
60			360	4,500	550	4,752	593	4,975
96			461	4,531	629	6,055	760	6,241
144					796	6,261	1,040	7,516
192							1,047	7,595

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.

PACKAGED

REFRIGERATION SYSTEM

ALL-IN-ONE

with available
Leak Mitigation Package

BTUH

Medium Temp:: 4,790 - 15,830

Low Temp:: 3,790 - 15,130

**Model Nomenclature // Configurable Base Model**

H	P	O	100	M	4C	D	A
Brand	Product	Compressor	Horsepower	Temperature	Refrigerant	Voltage	Vintage
H - HTPG	Packaged Refrigeration System	O - Scroll	100 = 1 HP	M - Medium L - Low D - Medium Electric Defrost	4C - R454C	A - 115/1/60 D - 208-230/1/60	A

Pre-Configuration Code**LD**

Pre-Configuration Code

LD - Leak Mitigation Package

● Standard ○ Optional ⊖ Not Available

FEATURES & OPTIONS

EcoNet® Enabled to maximize energy efficiency with less compressor runtime	●
EcoNet® optimizes defrost by using adaptive defrost or managing compressor runtime	●
EcoNet® improves product quality by reducing temperature fluctuation	●
Factory pre-charged with R-454C	●
One electrical wiring point with the ability to add a plug on select models	●
Standard boil-out pan with an option to mount a drain line	●
Lift-off panels & large electrical box	●
Roof Kit	○
Hail Guard	○
Power Cords	○

MEDIUM TEMPERATURE // AIR DEFROST // R-454C

Model with Leak Mitigation	List Price (\$US)	Compressor Type	Compressor HP	Voltage	Cabinet Size	Extended Compressor Warranty Net Price
HPO080M4CAALD	25,909	Scroll	0.75	115/1/60	Small	446
HPO100M4CAALD	27,244	Scroll	1	115/1/60	Small	446
HPO120M4CAALD	32,084	Scroll	1.25	115/1/60	Large	446
HPO080M4CDALD	27,141	Scroll	0.75	208-230/1/60	Small	446
HPO100M4CDALD	29,619	Scroll	1	208-230/1/60	Small	446
HPO120M4CDALD	31,835	Scroll	1.25	208-230/1/60	Large	446
HPO150M4CDALD	35,997	Scroll	1.5	208-230/1/60	Large	446

MEDIUM TEMPERATURE // ELECTRIC DEFROST // R-454C

Model with Leak Mitigation	List Price (\$US)	Compressor Type	Compressor HP	Voltage	Cabinet Size	Extended Compressor Warranty Net Price
HPO080D4CDALD	27,553	Scroll	0.75	208-230/1/60	Small	446
HPO100D4CDALD	29,980	Scroll	1	208-230/1/60	Small	446
HPO120D4CDALD	33,552	Scroll	1.25	208-230/1/60	Large	446
HPO150D4CDALD	38,556	Scroll	1.5	208-230/1/60	Large	446

LOW TEMPERATURE // ELECTRIC DEFROST // R-454CA

Model with Leak Mitigation	List Price (\$US)	Compressor Type	Compressor HP	Voltage	Cabinet Size	Extended Compressor Warranty Net Price
HPO150L4CDALD	40,874	Scroll	1.5	208-230/1/60	Small	446
HPO250L4CDALD	44,847	Scroll	2.5	208-230/1/60	Small	446
HPO300L4CDALD	52,516	Scroll	3	208-230/1/60	Large	585
HPO350L4CDALD	61,079	Scroll	3.5	208-230/1/60	Large	585

ROOF KITS

Part #	Cabinet Size	List Price (\$US)
08537719	Small	2,878
08537720	Large	2,878

HAIL GUARDS

Part #	Cabinet Size	List Price (\$US)
08537721	Small	1,974
08537722	Large	1,974

POWER CORDS

	Model	Part #	NEMA Receptacle	List Price (\$US)
Medium Temp Air	HPO080M4CAA	08538541	5-20R	215
	HPO100M4CAA	-	-	-
	HPO120M4CAA	-	-	-
	HPO080M4CDA	08538542	6-15R	215
	HPO100M4CDA	08538542	6-15R	215
	HPO120M4CDA	08538542	6-15R	215
	HPO150M4CDA	08538543	6-20R	215
Medium Temp Electric	HPO080D4CDA	08538542	6-15R	215
	HPO100D4CDA	08538542	6-15R	215
	HPO120D4CDA	08538542	6-15R	215
	HPO150D4CDA	08538543	6-20R	215
Low Temp Electric	HPO150L4CDA	08538542	6-15R	215
	HPO250L4CDA	08538543	6-20R	215
	HPO300L4CDA	-	-	-
	HPO350L4CDA	-	-	-

- 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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- 6 Limited Warranty: Seller warrants against defect in materials and workmanship in products which it manufactures for (1) year from 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 Seller's invoice. On parts not manufactured by Seller, such as motors, controls, valves and compressors we extend to the Buyer the same warranties made to us by the manufacturer. Seller's only liability under this warranty or otherwise shall be the repair or replacement (at Seller's option) of non-conforming goods or parts. Seller assumes no liability for incidental or consequential damages such as injury to person or property, or lost profits.
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- 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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