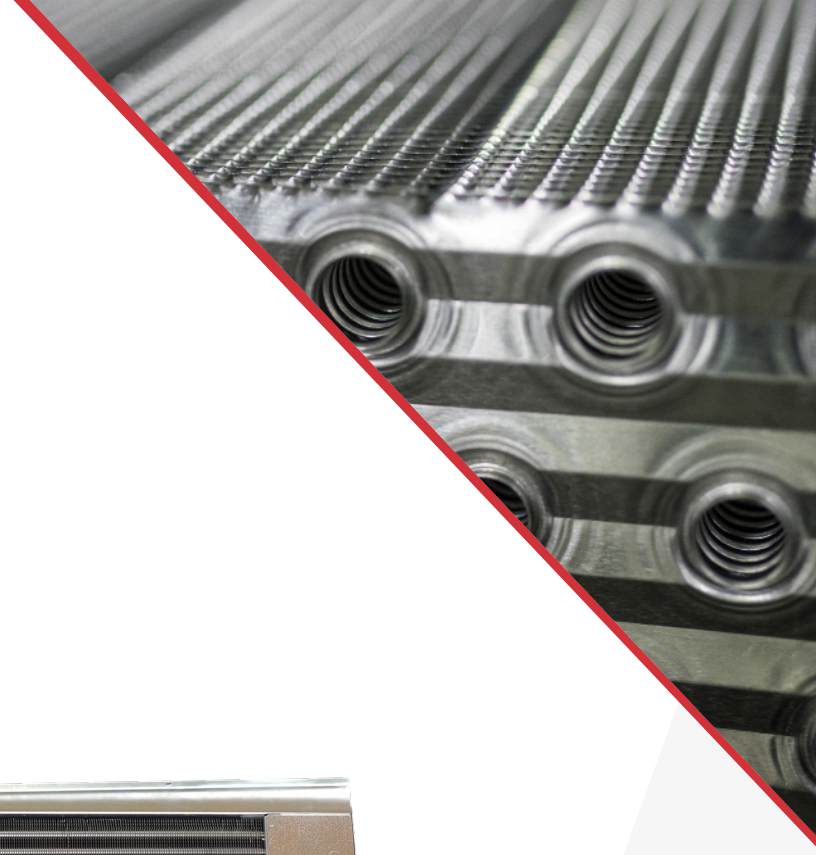
KRAMER



CENTER MOUNT
UNIT COOLER

Walk-Ins: Small to Medium
Cooler and Freezer Applications

Air Defrost
4,100 to 30,400 BTUH

Electric Defrost
3,700 to 32,400 BTUH

FEATURES

Center Mount Unit Coolers are designed for use in walk-in coolers and freezers with very low headroom clearance. Units mount flush to the ceiling to provide extra storage space. Features include two-way air flow to provide even circulation and temperature, easy serviceability, usability with multiple refrigerants, and are available in air and electric defrost models.

SIZES

There are a wide array of sizes available with capacities ranging from 3,700 to 32,400 BTUH at a 10° TD. One through five fan models are available with air flow spanning a range of 572 to 3,150 CFM.

HOUSING

The embossed aluminum casing is lightweight yet durable. Each fan section is baffled to prevent short cycling of the discharge air. The units are designed to mount flush to the ceiling and are compliant with NSF requirements. Top panel contains 3/8" mounting holes to simplify installation. The housing is sloped to provide more efficient condensate draining. A uniquely shaped control access cover allows for easy access for service in confined spaces.

COIL

Copper hairpins consist of high efficiency 3/8" enhanced copper tubes which are staggered and mechanically expanded into corrugated aluminum fins achieving maximum heat transfer while reducing refrigerant charge. Die formed fin collars provide even fin spacing. Medium temperature models are available with 6 fins per inch (FPI) and low temperature models with 6 and 4 FPI. Sweat connections are standard on all models.

MOTORS

Standard models feature highly efficient Dual Speed Electronically Commutated (EC) motors. Available for 115V or 208/230V and are compliant with California Title 24 regulations. All motors include thermal overload protection.

FANS

Aluminum 12" fans are balanced to provide vibration-free operation. Improved black plastic fan guard design and deep draw venturi achieve optimal air pattern. Fan motors and blades can be easily accessed by removing the fan guard.

ELECTRICAL

Available for 115V and 208/230V. All components are factory wired to terminal strips and are UL and cUL listed.

AIR DEFROST

Air Defrost models (RE6A) are designed for use in coolers down to 35°F.

ELECTRIC DEFROST

Electric Defrost 6 FPI models (RE6E) are designed for use in coolers and freezers down to -10°F and 4 FPI models (RE4E) are designed for use in freezers between 32°F to -10°F.

OPTIONAL FEATURES

- EcoNet® Enabled Controller[1] (factory-installed)
- EcoNet® Command Center (loose)
- Thermostat - Mechanical or Electric (mounted or loose)
- Thermostatic Expansion Valve (mounted or loose)
- Electronic Expansion Valve (mounted or loose)
- Liquid Line Solenoid Available Loose for field installation
- Insulated Drain Pan
- Painted Cabinet (White or Black)
- Stainless Steel Cabinet
- Coated Coil (Russproof, Heresite, Bronz-Glow, or Electrofin®)
- Heat Exchanger (loose)

MODEL NOMENCLATURE

R	E	6	A	041	A	D	A
Brand	Style	Fins per Inch (FPI)	Defrost Type	BTUH in Thousands	Unit Voltage[1]	Motor Type	Vintage
R = Russell	Center Mount	4/6	A = Air E = Electric		A = 115/1/60 D = 208-230/1/60	D = Dual Speed EC	

EcoNet Control Package includes: EEV; suction pressure transducer; suction, entering air coil temp. thermistors; local onboard two-row LCD display and push-button adjustments.

(Controller replaces TXV, liquid line solenoid valve, room thermostat, defrost termination and fan delay, and time clock.)

EcoNet approved refrigerants are: R404A, R407A, R407C, R448A, R449A/B, R450A, R507A, R513A.

^ 50 Hz available. Contact Factory for additional information.

HIGHLIGHTED FEATURES AND OPTIONS

FANS AND HOUSING

- Extra low height — mounts flush to ceiling
- Two-way air flow for even air circulation and consistent temperature
- 12" aluminum fans are balanced for vibration-free operation
- High efficiency fan guard design and deep draw venturi provide optimal air flow
- Easy access to fan motors
- Sloped housing for efficient condensate draining
- UL and NSF approved

COILS AND DEFROST HEATERS

- Available in 4 or 6 FPI
- Electric defrost heaters are mounted on the air intake coil face to provide optimal performance and are easily accessible by removing the venturi panel
- Independent defrost termination on each coil slab for efficient defrosting
- Independent drain pan per coil

ECONET® ENABLED UNIT COOLERS (OPTIONAL)

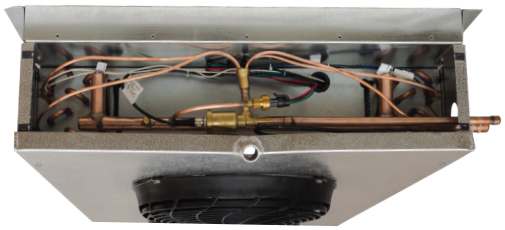
Developed in conjunction with Rheem Manufacturing specifically for walk-in coolers and freezers – it builds on the reliability and efficiency of Rheem's EcoNet technology.

Optional Command Center

- Saves energy in refrigeration systems through precise superheat and space temperature control, fan cycling, and controlling how often the system goes into defrost based on compressor runtime.
- Eliminates unnecessary defrosts
- Maximizes energy efficiency with less compressor runtime
- Reduces fan speed to 50% during off cycle for energy savings
- Can be used with a condensing unit in single and multiple evaporator installations as a group.
- Optional EcoNet Command Center with intuitive graphical interface controls up to 32 devices (including the Command Center) through one display, provides continuous communication between system components, and the remote mount display allows for EcoNet Enabled Unit Coolers to be programmed, monitored and troubleshot outside of the space being cooled.

ELECTRICAL AND PIPING

- End panels are easily removable for servicing the unit from the front or sides



- Ample room in electrical and piping compartments for easy access

Unit shown with EcoNet option installed

APPLICATION RATING & ELECTRICAL DATA // AIR DEFROST MODELS

	Model No.	BTUH Capacity @ 25°F S.T. & 10°F TD		CFM	No. of Fans	115V	208-230V	115V	208 -230V	115V	208 -230V
		R404A	R407A/ R448A/ R449A/B^			Total Fan Motor Amps 1-Phase Dual Speed EC Motors†		MCA		MOPD	
6 FPI	RE6A041*DA	4,100	4,900	572	1	0.8	0.5	15	15	20	20
	RE6A070*DA	7,000	8,200	1,204	2	1.6	1	15	15	20	20
	RE6A084*DA	8,400	9,900	1,144	2	1.6	1	15	15	20	20
	RE6A104*DA	10,400	12,300	1,806	3	2.4	1.5	15	15	20	20
	RE6A128*DA	12,800	15,100	1,716	3	2.4	1.5	15	15	20	20
	RE6A141*DA	14,100	16,600	2,408	4	3.2	2	15	15	20	20
	RE6A169*DA	16,900	19,900	2,288	4	3.2	2	15	15	20	20
	RE6A204*DA	20,400	23,900	2,860	5	4	2.5	15	15	20	20
	RE6A258*DA	25,800	30,400	3,150	5	4	2.5	15	15	20	20

Consult Factory for 50Hz Operation

* Asterisk represents a variable character based on voltage ordered. See page 3 for nomenclature.

^ Refrigerants with large glides are rated at dew point temperature. Use R407A capacity ratings for R407C and R407F.

† Dual-speed EC motors are compliant with California Title 24 regulations.

Models were designed in anticipation of the July 2020 Department of Energy AWEF regulations for evaporators for Walk-in Coolers and Freezers in boxes less than 3,000 sq. ft. See below for AWEF compliance ratings.

APPLICATION RATING & ELECTRICAL DATA // ELECTRIC DEFROST MODELS

	Model No.	BTUH Capacity @ 25°F S.T. & 10°F TD		CFM	No. of Fans	208-230V/1				
		R404A	R407A/ R448A/ R449A/B^			Total Fan Motor Amps 1-Phase Dual Speed EC Motors†	MCA		MOPD	
							Base Model[1]	EcoNet Enabled[2]	Base Model[1]	EcoNet Enabled[2]
6 FPI	RE6E037DDA	3,700	4,300	602	1	0.5	15.0	15.0	20	20
	RE6E045DDA	4,500	5,200	572	1	0.5	15.0	15.0	20	20
	RE6E075DDA	7,500	8,700	1,204	2	1.0	15.0	15.0	20	20
	RE6E089DDA	8,900	10,300	1,144	2	1.0	15.0	15.0	20	20
	RE6E108DDA	10,800	12,400	1,806	3	1.5	15.0	15.0	20	20
	RE6E125DDA	12,500	14,300	1,716	3	1.5	15.0	15.0	20	20
	RE6E137DDA	13,700	15,400	2,408	4	2.0	15.0	15.0	20	20
	RE6E182DDA	18,200	20,900	2,288	4	2.0	15.0	15.0	20	20
	RE6E221DDA	22,100	25,500	2,860	5	2.5	15.0	16.3	20	20
	RE6E278DDA	27,800	32,400	3,150	5	2.5	15.0	24.4	20	30
4 FPI	RE4E037DDA	3,700	4,300	572	1	0.5	15.0	15.0	20	20
	RE4E075DDA	7,500	8,700	1,144	2	1.0	15.0	15.0	20	20
	RE4E107DDA	10,700	12,200	1,716	3	1.5	15.0	15.0	20	20
	RE4E149DDA	14,900	17,600	2,288	4	2.0	15.0	15.0	20	20
	RE4E186DDA	18,600	21,300	2,860	5	2.5	15.0	16.3	20	20
	RE4E234DDA	23,400	27,200	3,150	5	2.5	15.0	24.4	20	30

	Model No.	230V/1	Heater Watts
		Heater Amps	
6 FPI	RE6E037DDA	3.2	750
	RE6E045DDA	3.2	750
	RE6E075DDA	6.5	1,500
	RE6E089DDA	6.5	1,500
	RE6E108DDA	9.8	2,250
	RE6E125DDA	9.8	2,250
	RE6E137DDA	13.0	3,000
	RE6E182DDA	13.0	3,000
	RE6E221DDA	16.3	3,750
	RE6E278DDA	24.4	5,620
4 FPI	RE4E037DDA	3.2	750
	RE4E075DDA	6.5	1,500
	RE4E107DDA	9.8	2,250
	RE4E149DDA	13.0	3,000
	RE4E186DDA	16.3	3,750
	RE4E234DDA	24.4	5,620

Consult Factory for 50Hz Operation

* Asterisk represents a variable character based on voltage ordered. See page 3 for nomenclature.

^ Refrigerants with large glides are rated at dew point temperature. Use R407A capacity ratings for R407C and R407F.

† Dual-speed EC motors are compliant with California Title 24 regulations.

Models were designed in anticipation of the July 2020 Department of Energy AWEF regulations for evaporators for Walk-in Coolers and Freezers in boxes less than 3,000 sq. ft. See below for AWEF compliance ratings.

DISTRIBUTOR NOZZLE // AIR DEFROST MODELS

Model No.		Part Numbers						No. of Circuits
		Nozzle @ Liq. Temp.		TXV^ @ Liq. Temp.		EEV @ Liq. Temp.		
		50°F	100°F	50°F	100°F	50°F	100°F	
6 FPI - R404A	RE6A041*DA	L, #1/6	L, #1/2	SBFSE-AA-C	SBFSE-AA-C	SER-AA	SER-AA	2
	RE6A070*DA	L, #1/4	L, #3/4	SBFSE-AA-C	SBFSE-A-C	SER-A	SER-A	2
	RE6A084*DA	L, #1/4	L, #3/4	SBFSE-A-C	SBFSE-A-C	SER-A	SER-B	2
	RE6A104*DA	L, #1/3	L, #1	SBFSE-A-C	SBFSE-A-C	SER-A	SER-B	4
	RE6A128*DA	L, #1/2	L, #1-1/2	SBFSE-A-C	SBFSE-B-C	SER-B	SER-B	4
	RE6A141*DA	L, #1/2	L, #1-1/2	SBFSE-A-C	SBFSE-B-C	SER-B	SER-B	4
	RE6A169*DA	L, #3/4	L, #2	SBFSE-A-C	SBFSE-B-C	SER-B	SER-B	4
	RE6A204*DA	L, #3/4	L, #2	SBFSE-B-C	SBFSE-C-C	SER-B	SER-C	4
	RE6A258*DA	L, #3/4	L, #2-1/2	SBFSE-B-C	SBFSE-C-C	SER-B	SER-C	6
6 FPI - R407A/R448A/R449A/B†	RE6A041*DA	L, #1/6	L, #1/2	SBFSE-AA-C	SBFSE-AA-C	SER-AA	SER-AA	2
	RE6A070*DA	L, #1/4	L, #3/4	SBFSE-AA-C	SBFSE-A-C	SER-A	SER-A	2
	RE6A084*DA	L, #1/3	L, #3/4	SBFSE-A-C	SBFSE-A-C	SER-A	SER-B	2
	RE6A104*DA	L, #1/2	L, #1	SBFSE-A-C	SBFSE-A-C	SER-A	SER-B	4
	RE6A128*DA	L, #1/2	L, #1-1/2	SBFSE-A-C	SBFSE-B-C	SER-B	SER-B	4
	RE6A141*DA	L, #1/2	L, #1-1/2	SBFSE-A-C	SBFSE-B-C	SER-B	SER-B	4
	RE6A169*DA	L, #3/4	L, #1-1/2	SBFSE-A-C	SBFSE-B-C	SER-B	SER-B	4
	RE6A204*DA	L, #3/4	L, #2	SBFSE-B-C	SBFSE-C-C	SER-B	SER-C	4
	RE6A258*DA	L, #1	L, #2-1/2	SBFSE-B-C	SBFSE-C-C	SER-B	SER-C	6

See notes on page 9.

DISTRIBUTOR NOZZLE // ELECTRIC DEFROST MODELS

Model No.		Part Numbers						No. of Circuits
		Nozzle @ Liq. Temp.		TXV^ @ Liq. Temp.		EEV @ Liq. Temp.		
		50°F	100°F	50°F	100°F	50°F	100°F	
6 FPI - R404A	RE6E037DDA	L, #1/4	L, #3/4	SBFSE-AA-ZP	SBFSE-AA-ZP	SER-AA	SER-AA	2
	RE6E045DDA	L, #1/3	L, #3/4	SBFSE-AA-ZP	SBFSE-AA-ZP	SER-AA	SER-A	2
	RE6E075DDA	L, #3/4	L, #1-1/2	SBFSE-A-ZP	SBFSE-A-ZP	SER-A	SER-A	4
	RE6E089DDA	L, #3/4	L, #1-1/2	SBFSE-A-ZP	SBFSE-A-ZP	SER-A	SER-B	4
	RE6E108DDA	L,#1	L, #2	SBFSE-A-ZP	SBFSE-B-ZP	SER-A	SER-B	4
	RE6E125DDA	L,#1	L, #2	SBFSE-A-ZP	SBFSE-B-ZP	SER-A	SER-B	4
	RE6E137DDA	L,#1	L, #2-1/2	SBFSE-A-ZP	SBFSE-B-ZP	SER-B	SER-B	4
	RE6E182DDA	L, #1-1/2	L, #3	SBFSE-B-ZP	SBFSE-C-ZP	SER-B	SER-B	8
	RE6E221DDA	L,#2	L, #4	SBFSE-B-ZP	SBFSE-C-ZP	SER-B	SER-C	8
	RE6E278DDA	G,#2	G, #5	SBFSE-C-ZP	SBFSE-C-ZP	SER-C	SER-C	12
4 FPI - R404A	RE4E037DDA	L, #1/4	L, #3/4	SBFSE-AA-ZP	SBFSE-AA-ZP	SER-AA	SER-AA	2
	RE4E075DDA	L, #3/4	L, #1-1/2	SBFSE-A-ZP	SBFSE-A-ZP	SER-A	SER-A	4
	RE4E107DDA	L, #3/4	L, #2	SBFSE-A-ZP	SBFSE-B-ZP	SER-A	SER-B	4
	RE4E149DDA	L, #1-1/2	L, #2-1/2	SBFSE-A-ZP	SBFSE-B-ZP	SER-B	SER-B	8
	RE4E186DDA	L,#2	L, #3	SBFSE-B-ZP	SBFSE-C-ZP	SER-B	SER-C	8
	RE4E234DDA	G,#2	G, #4	SBFSE-C-ZP	SBFSE-C-ZP	SER-B	SER-C	12
6 FPI - R407A/R448A/R449A/B†	RE6E037DDA	L, #1/4	L, #1/2	SBFDE-AA-ZP	SBFDE-AA-ZP	SER-AA	SER-AA	2
	RE6E045DDA	L, #1/3	L, #3/4	SBFDE-AA-ZP	SBFDE-AA-ZP	SER-AA	SER-AA	2
	RE6E075DDA	L, #3/4	L, #1	SBFDE-A-ZP	SBFDE-A-ZP	SER-A	SER-A	4
	RE6E089DDA	L, #3/4	L, #1-1/2	SBFDE-A-ZP	SBFDE-B-ZP	SER-A	SER-A	4
	RE6E108DDA	L, #3/4	L, #1-1/2	SBFDE-A-ZP	SBFDE-B-ZP	SER-A	SER-A	4
	RE6E125DDA	L, #1	L, #2	SBFDE-A-ZP	SBFDE-B-ZP	SER-A	SER-B	4
	RE6E137DDA	L, #1	L, #2	SBFDE-B-ZP	SBFDE-B-ZP	SER-A	SER-B	4
	RE6E182DDA	L, #1-1/2	L, #2-1/2	SBFDE-B-ZP	SBFDE-C-ZP	SER-B	SER-B	8
	RE6E221DDA	L, #1-1/2	L, #3	SBFDE-B-ZP	SBFDE-C-ZP	SER-B	SER-C	8
	RE6E278DDA	G, #2	G, #4	SBFDE-C-ZP	SBFDE-C-ZP	SER-B	SER-C	12
4 FPI - R407AR448AR449A/B†	RE4E037DDA	L, #1/4	L, #1/2	SBFDE-AA-ZP	SBFDE-AA-ZP	SER-AA	SER-AA	2
	RE4E075DDA	L, #3/4	L, #1	SBFDE-A-ZP	SBFDE-A-ZP	SER-A	SER-A	4
	RE4E107DDA	L, #3/4	L, #1-1/2	SBFDE-A-ZP	SBFDE-B-ZP	SER-A	SER-B	4
	RE4E149DDA	L, #1-1/2	L, #2-1/2	SBFDE-B-ZP	SBFDE-B-ZP	SER-B	SER-B	8
	RE4E186DDA	L, #1-1/2	L, #2-1/2	SBFDE-B-ZP	SBFDE-C-ZP	SER-B	SER-B	8
	RE4E234DDA	G, #2	G, #4	SBFDE-C-ZP	SBFDE-C-ZP	SER-B	SER-C	12

Distributor lines are 3/16" diameter and 14" long. Distributor connection size is 1/2" for all Air Defrost models.
Distributor lines are 3/16" diameter and 14" long. Distributor connection size is 1/2" for Electric Defrost models with "L" nozzle and 7/8" for models with "G" nozzle.

* Asterisk represents a variable character based on motor ordered. See page 3 for nomenclature.

– Single feed circuit coils do not get a distributor/nozzle.

^ TXV selections for Air Defrost models are based on +25°F suction temp., 8°F to 12°F evaporator TD. Contact factory for operating conditions outside of this range.

^ TXV selections for Electic Defrost models are based on -20°F suction temp., 8°F to 12°F evaporator TD. Contact factory for operating conditions outside of this range.

† SBFDE expansion valves are compatible with R407A, R448A and R449A/B. For other refrigerants, follow manufacturers selection guidelines.

If unit is not configured with a factory installed TXV, unit will include shipped-loose nozzles sized for 100°F liquid temperature.

SPECIFICATIONS // AIR DEFROST MODELS

	Model No.	TXV† Type	Refrigerant Connections		No. of Hanger Slot Locations	Dimensions (Inches)				Approx. Weight (Lbs.)	
			Liquid Line[1]	Suction		Length	Width	Height	Figure	Net	Ship
6 FPI	RE6A041D*A	External	3/8	5/8	2	32	28-3/8	11-1/4	1	55	190
	RE6A070D*A	External	3/8	5/8	3	52	28-3/8	11-1/4	2	75	210
	RE6A084D*A	External	3/8	5/8	3	52	28-3/8	11-1/4	2	80	215
	RE6A104D*A	External	3/8	5/8	4	72	28-3/8	11-1/4	3	95	230
	RE6A128D*A	External	3/8	7/8	4	72	28-3/8	11-1/4	3	105	240
	RE6A141D*A	External	3/8	7/8	5	92	28-3/8	11-1/4	4	120	280
	RE6A169D*A	External	3/8	7/8	5	92	28-3/8	11-1/4	4	130	290
	RE6A204D*A	External	3/8	1-1/8	6	112	28-3/8	11-1/4	5	145	330
	RE6A258D*A	External	3/8	1-1/8	6	112	28-3/8	13-3/4	6	155	340

SPECIFICATIONS // ELECTRIC DEFROST MODELS

	Model No.	TXV† Type	Refrigerant Connections		No. of Hanger Slot Locations	Dimensions (Inches)				Approx. Weight (Lbs.)	
			Liquid Line[1]	Suction		Length	Width	Height	Figure	Net	Ship
6 FPI	RE6E037DDA	External	3/8	5/8	2	32	28-3/8	11-1/4	1	50	185
	RE6E045DDA	External	3/8	5/8	2	32	28-3/8	11-1/4	1	55	190
	RE6E075DDA	External	3/8	5/8	3	52	28-3/8	11-1/4	2	75	210
	RE6E089DDA	External	3/8	5/8	3	52	28-3/8	11-1/4	2	80	215
	RE6E108DDA	External	3/8	7/8	4	72	28-3/8	11-1/4	3	95	230
	RE6E125DDA	External	3/8	7/8	4	72	28-3/8	11-1/4	3	105	240
	RE6E137DDA	External	3/8	1-1/8	5	92	28-3/8	11-1/4	4	120	280
	RE6E182DDA	External	3/8	1-1/8	5	92	28-3/8	11-1/4	4	130	290
	RE6E221DDA	External	3/8	1-1/8	6	112	28-3/8	11-1/4	5	145	330
	RE6E278DDA	External	3/8	1-1/8	6	112	28-3/8	13-3/4	6	155	340
4 FPI	RE4E037DDA	External	3/8	5/8	2	32	28-3/8	11-1/4	1	55	190
	RE4E075DDA	External	3/8	5/8	3	52	28-3/8	11-1/4	2	80	215
	RE4E107DDA	External	3/8	7/8	4	72	28-3/8	11-1/4	3	105	240
	RE4E149DDA	External	3/8	7/8	5	92	28-3/8	11-1/4	4	130	290
	RE4E186DDA	External	3/8	1-1/8	6	112	28-3/8	11-1/4	5	145	330
	RE4E234DDA	External	3/8	1-1/8	6	112	28-3/8	13-3/4	6	155	340

*Asterisk represents a variable character based on voltage ordered. See page 3 for nomenclature.

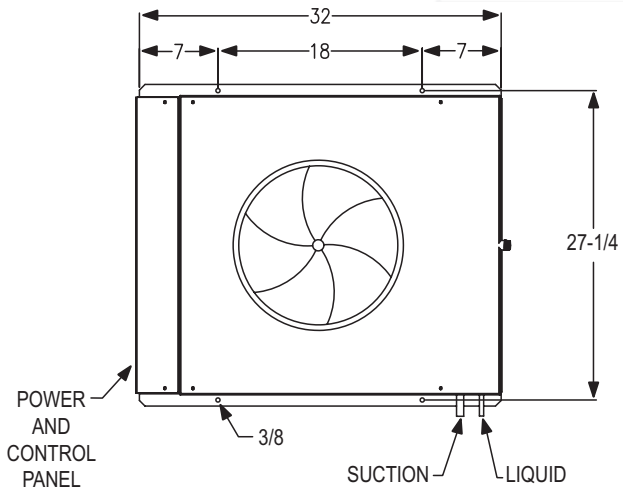
†Externally equalized.

1For units with mounted TXV components. See Nozzle/TXV table for distributor connection size when TXV is field installed.

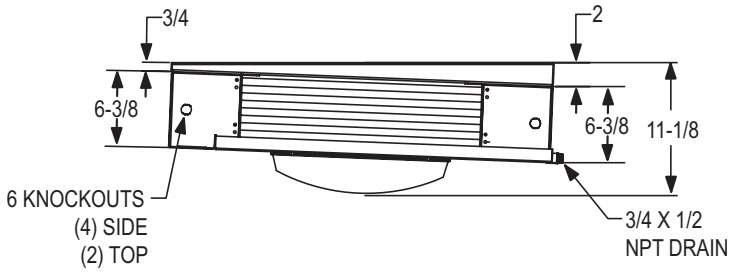
PHYSICAL DIMENSIONS

Figure 1 - Single Fan

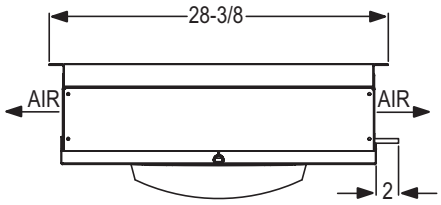
Bottom View



Side View



End View

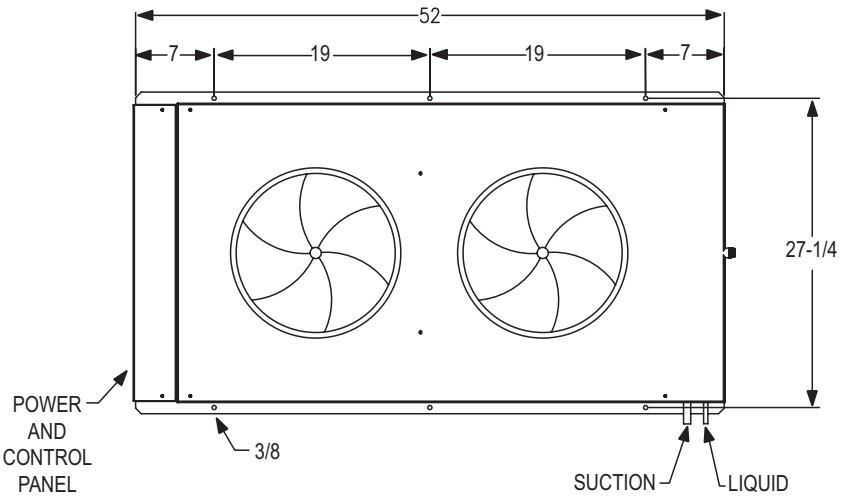


Measurements noted on the end view drawing are the same for all units.
All mounting holes are 3/8" diameter.
All dimensions are in inches.

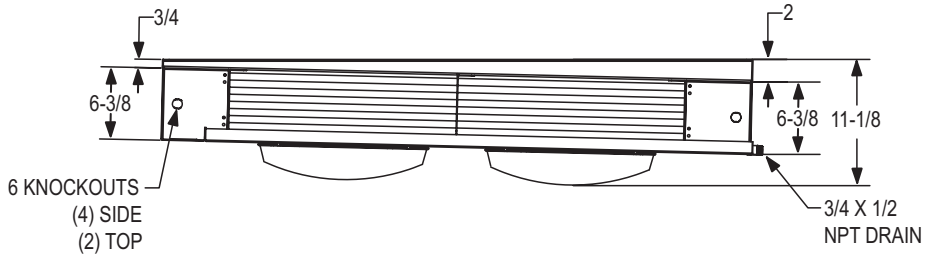
PHYSICAL DIMENSIONS

Figure 2 - Two Fan

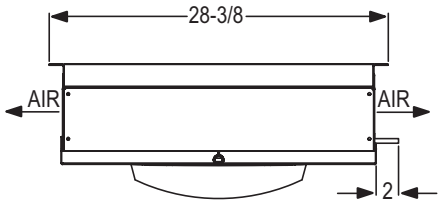
Bottom View



Side View



End View

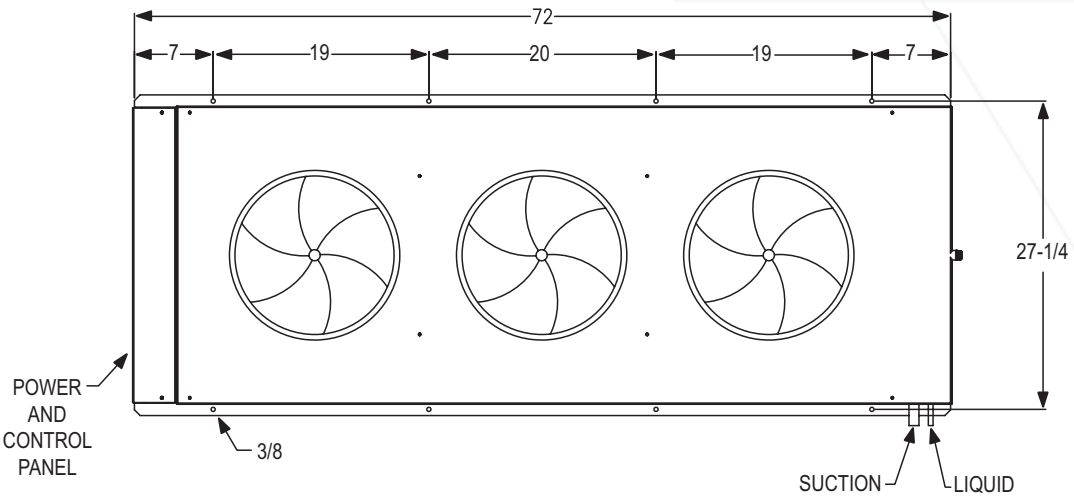


Measurements noted on the end view drawing are the same for all units.
All mounting holes are 3/8" diameter.
All dimensions are in inches.

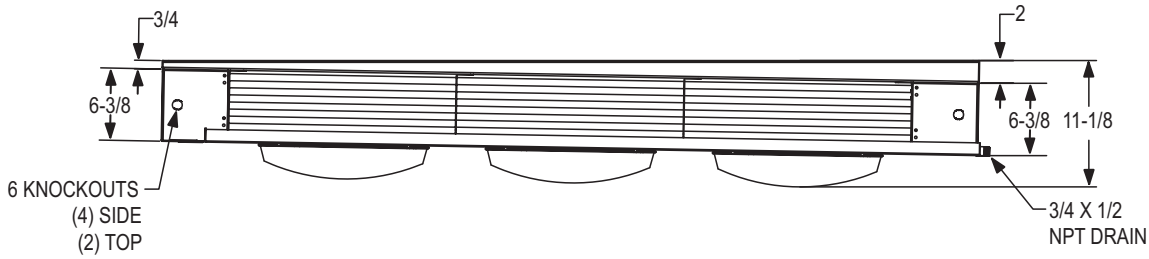
PHYSICAL DIMENSIONS

Figure 3 - Three Fan

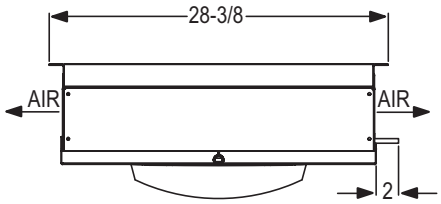
Bottom View



Side View



End View

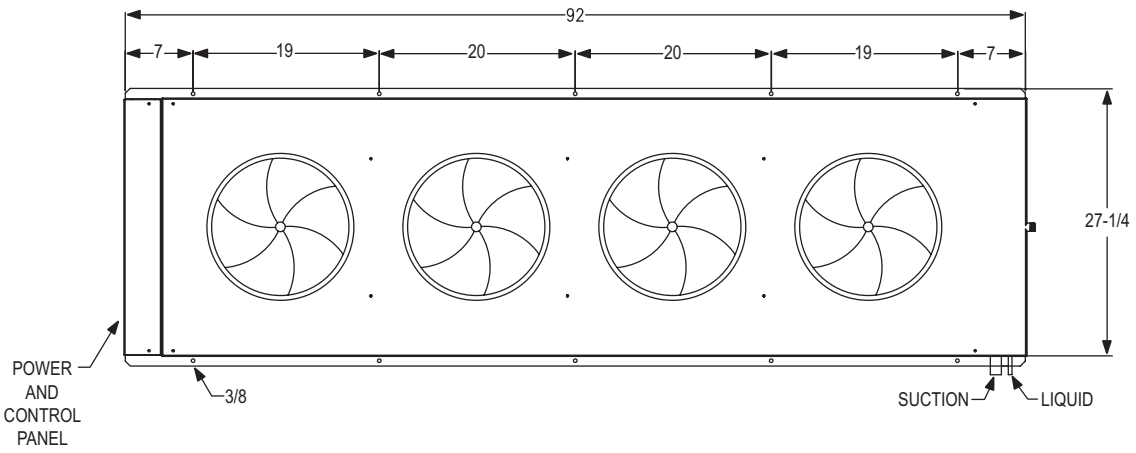


Measurements noted on the end view drawing are the same for all units.
All mounting holes are 3/8" diameter.
All dimensions are in inches.

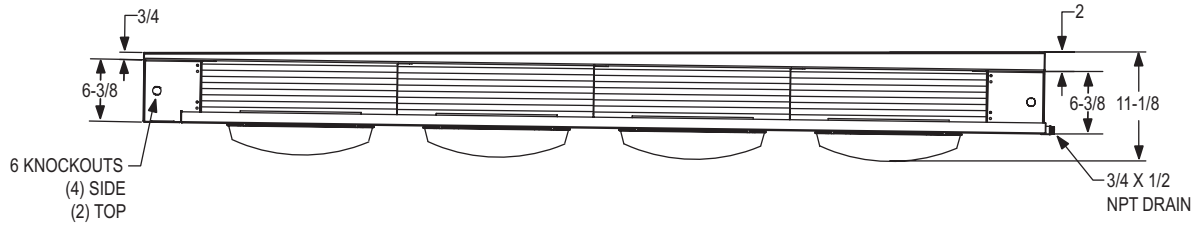
PHYSICAL DIMENSIONS

Figure 4 - Four Fan

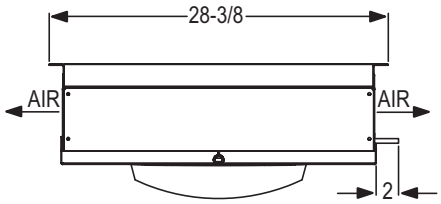
Bottom View



Side View



End View

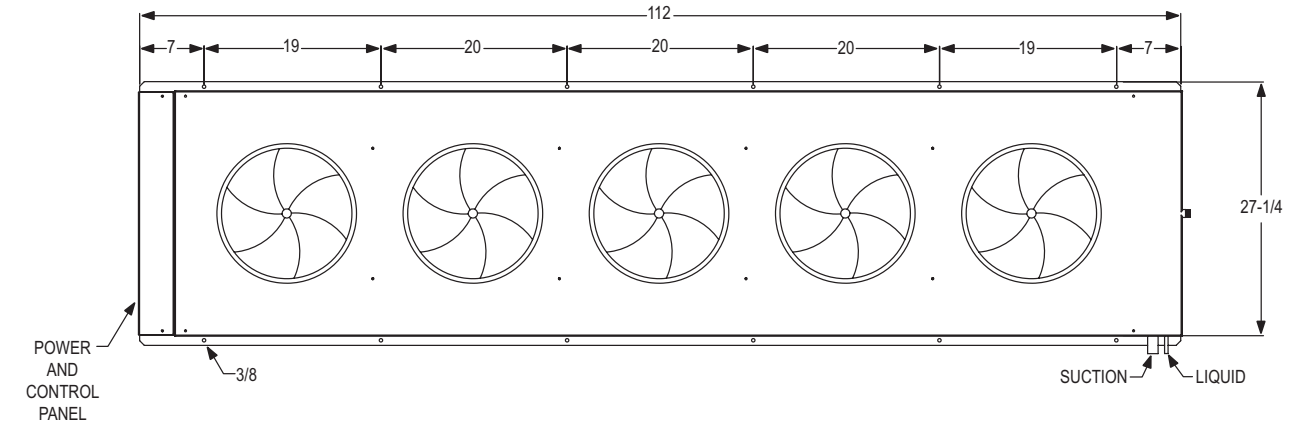


Measurements noted on the end view drawing are the same for all units.
All mounting holes are 3/8" diameter.
Mounting holes on four and five fan units are located 20" on center at each tube sheet.
All dimensions are in inches.

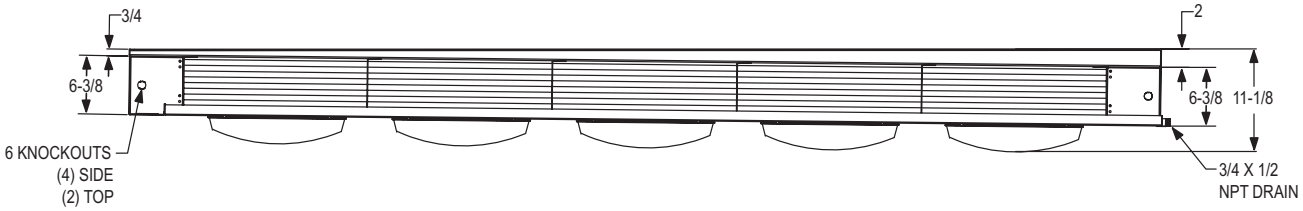
PHYSICAL DIMENSIONS

Figure 5 - Five Fan

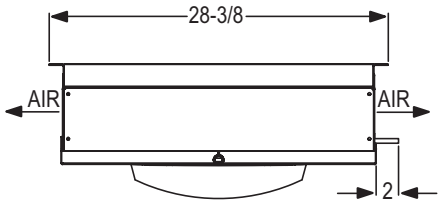
Bottom View



Side View



End View

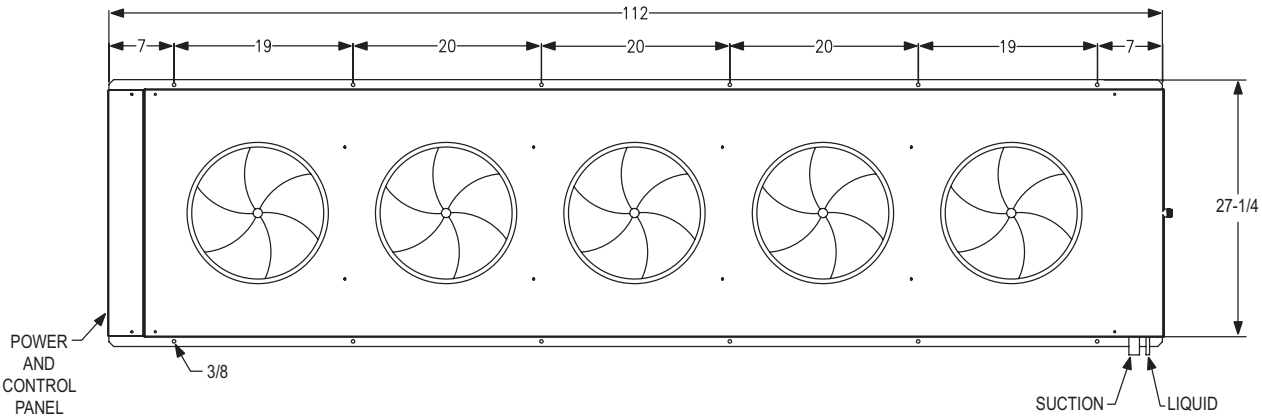


Measurements noted on the end view drawing are the same for all units.
All mounting holes are 3/8" diameter.
Mounting holes on four and five fan units are located 20" on center at each tube sheet.
All dimensions are in inches.

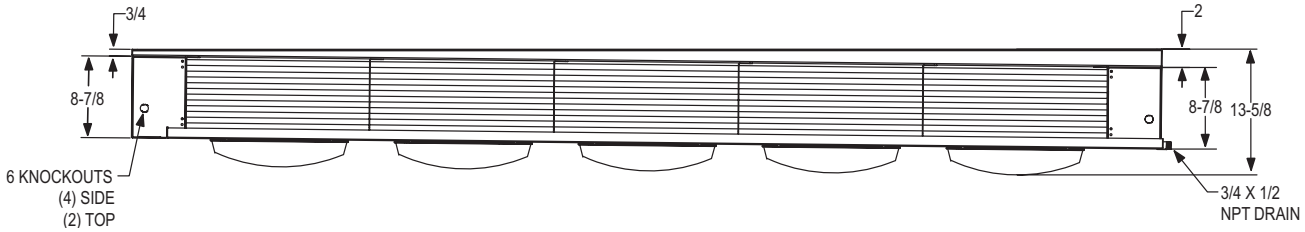
PHYSICAL DIMENSIONS

Figure 6 - Five Fan Tall

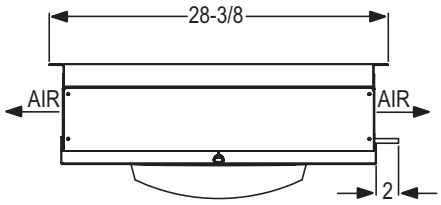
Bottom View



Side View



End View



Measurements noted on the end view drawing are the same for all units.
All mounting holes are 3/8" diameter.
Mounting holes on four and five fan units are located 20" on center at each tube sheet.
All dimensions are in inches.

AWEF RATINGS // AIR AND ELECTRIC DEFROST MODELS

EVAPORATOR APPLICATION RATINGS

Multiple conditions combine to determine the application capacity of an evaporator. Walk-in space temperature, relative humidity, saturated suction temperature difference, and outdoor ambient temperature. All of the factors are considered when calculating an evaporator application rating. These ratings are considerably higher than the net capacity value used for DOE ratings (AWEF).

The AWEF of an evaporator is calculated using the dry coil capacity and the daily evaporator power consumption. Power consumption included fan and defrost power. Evaporator net capacity reported to the DOE database is dry coil capacity less the full power fan watts. DOE test conditions are at 10°F evaporator/SST temperature difference and less than 50% relative humidity and 96°F liquid temperature. These conditions create a uniform test method, but should not be used for equipment selection. The equipment selected would be too large for the application.

Published application ratings are a guideline for proper equipment selection. They account for true operating conditions experienced by equipment.

Department of Energy Annual Walk-In Energy Factor (AWEF) Ratings

Model No.	Defrost Type	FPI	AWEF
Cooler Models[1]			
RE6A041*DA	Air Defrost	6	9.00
RE6A070*DA	Air Defrost	6	9.00
RE6A084*DA	Air Defrost	6	9.00
RE6A104*DA	Air Defrost	6	9.00
RE6A128*DA	Air Defrost	6	9.00
RE6A141*DA	Air Defrost	6	9.00
RE6A169*DA	Air Defrost	6	9.00
RE6A204*DA	Air Defrost	6	9.00
RE6A258*DA	Air Defrost	6	9.00
RE6E037DDA	Electric Defrost	6	9.00
RE6E045DDA	Electric Defrost	6	9.00
RE6E075DDA	Electric Defrost	6	9.00
RE6E089DDA	Electric Defrost	6	9.00
RE6E108DDA	Electric Defrost	6	9.00
RE6E125DDA	Electric Defrost	6	9.00
RE6E137DDA	Electric Defrost	6	9.00
RE6E182DDA	Electric Defrost	6	9.00
RE6E221DDA	Electric Defrost	6	9.00
RE6E278DDA	Electric Defrost	6	9.00

Department of Energy Annual Walk-In Energy Factor (AWEF) Ratings

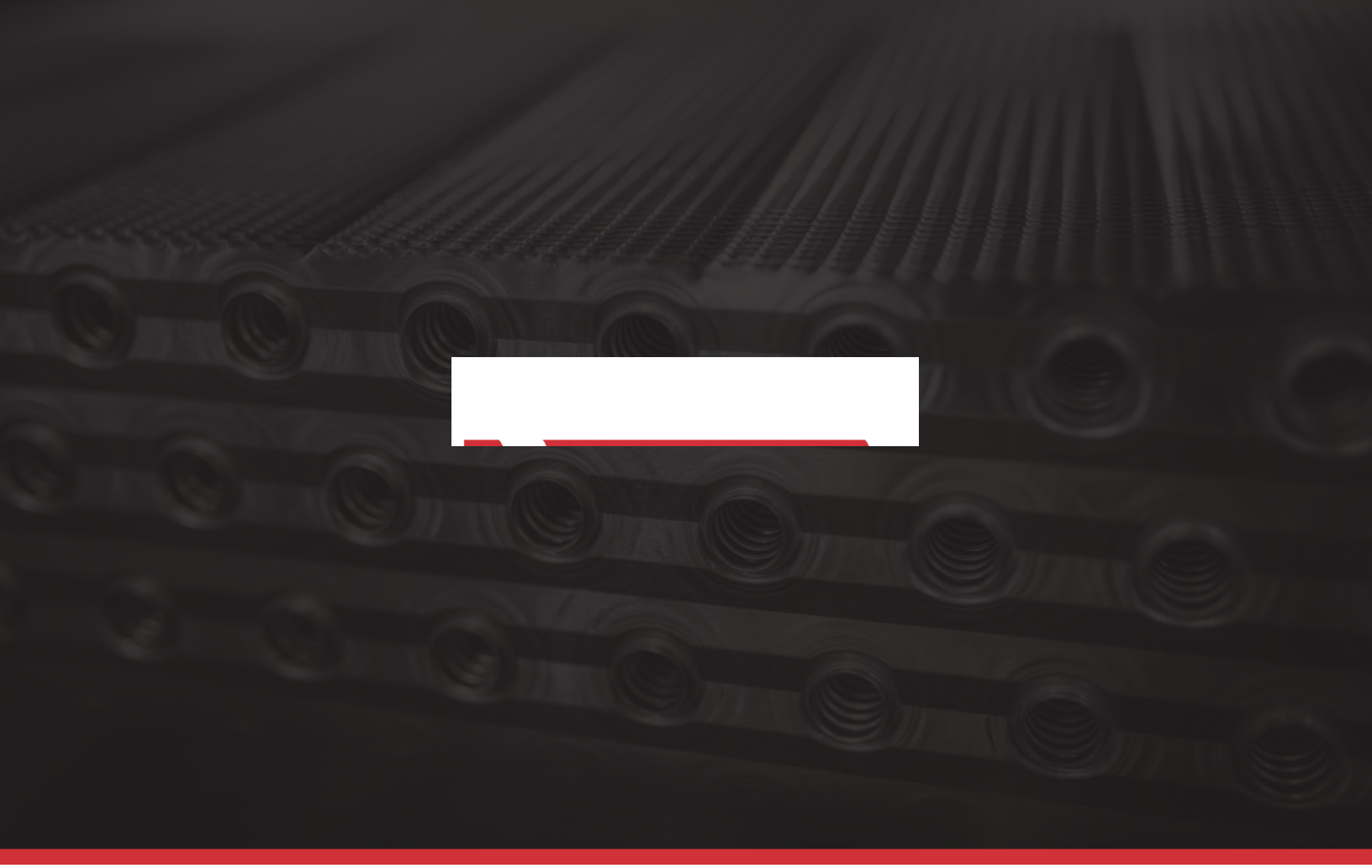
Model No.	Defrost Type	FPI	AWEF
Freezer Models[1]			
RE6E037DDA	Electric Defrost	6	4.15
RE6E045DDA	Electric Defrost	6	4.15
RE6E075DDA	Electric Defrost	6	4.15
RE6E089DDA	Electric Defrost	6	4.15
RE6E108DDA	Electric Defrost	6	4.15
RE6E125DDA	Electric Defrost	6	4.15
RE6E137DDA	Electric Defrost	6	4.15
RE6E182DDA	Electric Defrost	6	4.15
RE6E221DDA	Electric Defrost	6	4.15
RE6E278DDA	Electric Defrost	6	4.15
RE4E037DDA	Electric Defrost	4	3.95
RE4E075DDA	Electric Defrost	4	3.98
RE4E107DDA	Electric Defrost	4	4.01
RE4E149DDA	Electric Defrost	4	4.06
RE4E186DDA	Electric Defrost	4	4.09
RE4E234DDA	Electric Defrost	4	4.15

* Asterisk represents a variable character based upon voltage ordered. See page 3 for nomenclature.

1. If the model has a numerical value in the AWEF table, the following statement applies: "The evaporator is designed and certified for use in walk-in cooler applications."

1. If the model has a numerical value in the AWEF table, the following statement applies: The evaporator is designed and certified for use in walk-in cooler applications."

2. If the model has a numerical value in the AWEF table, the following statement applies: "The evaporator is designed and certified for use in walk-in freezer applications."



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