

# REFPLUS<sup>®</sup>

TECHNICAL CATALOGUE



COMPACT INDUSTRIAL  
WALK-IN COOLERS  
& FREEZERS

EK SERIES

**AWEF**  
REGISTERED

ecoefficient+



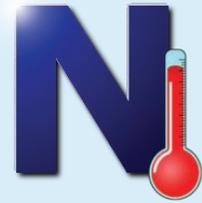
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## DESIGN IT, WE'LL BUILD IT.

Although this catalogue gives precise and useful product description and capabilities, we recommend the use of our **Nomis** software for a more accurate and up-to-date selection.

**Nomis** is a web-based refrigeration equipment selection and configuration platform. It can be used from your desktop computer, laptop, tablet or smart-phone. Request a Nomis access and discover just how easy it is to find the right equipment for your needs. Simply select an evaporator from our myriad choices, and then add the options that are right for your project. All technical and pricing information is updated continuously and is right there, at your finger tips.



### DESIGN YOUR OWN EVAPORATOR

This easy-to-use product selector allows you to build your evaporator the way you want it:

1. Select Base Configuration
2. Select Options
3. Select Accessories
4. Get a complete quote with prices

You can Print, Email or Share your personalized custom quote as well as select your nearest dealer so they can follow up with you directly.

To request a Nomis Access, simply go to [www.refplus.com](http://www.refplus.com) and click on Tools.

## TEMPERATURE & CAPACITY RANGES



**EKA** | FOR COOLERS ABOVE +34°F

CAPACITY FROM 14,620 to 65,770 BTU/HR/10°F TD

**EKE** | FOR COOLERS & FREEZERS FROM -30°F TO +34°F

CAPACITY FROM 11,540 to 53,240 BTU/HR/10°F TD

**EKR** | FOR COOLERS & FREEZERS FROM -30°F TO +34°F

CAPACITY FROM 11,540 to 53,240 BTU/HR/10°F TD

**EKT** | FOR COOLERS & FREEZERS FROM -30°F TO +34°F

CAPACITY FROM 11,540 to 53,240 BTU/HR/10°F TD

For operation outside the temperature ranges listed above, please contact RefPlus sales support.

## NOMENCLATURE

# E K A - 5400 - 8 W

### Unit Series

EK = Kompact industrial walk-in

### Option

W = Water/Glycol mixture

### Defrost Type

A = Air defrost  
E = Electric defrost  
G = Reverse cycle hot gas defrost with electric drain pan  
H = Three-pipe hot gas defrost with electric drain pan  
R = Reverse cycle hot gas defrost with hot gas drain pan  
T = Three-pipe hot gas defrost with hot gas drain pan

### Model number / Nominal Capacity @ 10°F TD

5400 = 54 000 Btu/h  
0431 = 4300 Btu/h

### Unit Voltage

2: 240/1/60  
5: 208-240/3/60  
8: 575/3/60  
9: 480/3/60

The **EK** series are compact, ceiling-mounted light-industrial walk-in cooler and freezer units equipped with high-velocity fans. Each unit is fully customizable and includes a wiring diagram that meets the customer's requirements. The wiring diagram displays all the components with all the necessary protections and controls.

All units are single coil construction for an air distribution towards the centre of the cooler or freezer. The fans draw air from the evaporator coil and discharge it through the fan guards at the front of the unit.

### APPLICATIONS

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#### **EKA:**

This air defrost horizontal draw-through model is for coolers with room temperature at +34°F and above. A low speed model is available for smoother airflow and for a suction temperature higher than +30°F. This model requires a low speed operation when compressor is turned off to avoid water carryover.

#### **EKE:**

This electric defrost horizontal draw-through model is for coolers and freezers with a room temperature from -30°F to +34°F. Low speed operation prevents water carryover when finishing a defrost cycle in a medium temperature room from +26°F to +34°F.

#### **EKR:**

This model is a horizontal draw-through, reverse cycle hot gas defrost evaporator with hot gas defrost drain pan for coolers and freezers with a room temperature from -30°F to +34°F.

#### **EKT:**

This model is a horizontal draw-through, three-pipe hot gas defrost evaporator with hot gas defrost drain pan for coolers and freezers with a room temperature from -30°F to +34°F.

### ELECTRICAL

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Standard electric and hot gas defrost models include a defrost termination switch, a fan delay thermostat, a heater safety thermostat and terminal blocks for fan and heater connections. Optional Refplus Guardian+ controller allows defrost, fan and electronic expansion valve operation without any other device being necessary. Other options include KE2 evaporator controller offerings, Kelvin Superheat Control with probes and sensors, disconnect switch, fuses or circuit breakers, hot gas bypass auxiliary side connection, etc. Contact RefPlus Sales department for all custom options.

### CONSTRUCTION

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#### **CABINET**

Cabinets are made of heavy-gauge textured aluminum. All hardware is made from stainless or plated steel for long-term corrosion protection. Bolted construction allows for easy service and fan removal for coil cleaning and maintenance. Special materials are available such as full 316 stainless steel construction and custom paint. These units are provided with large access panels and front and side doors.

#### **DRAIN PAN**

Drain pans are hinged on all models with air, electric, and hot gas with electric defrost drain pan systems. Full hot gas models have a non-hinged removable cover for easy hot gas grid access. Drain pans are single pitched and drain fitting are installed in a way that no condensate can be trapped inside. This unit is provided with a removable 7/8" I.D. copper drain fitting.

#### **FANS**

Heavy-duty fan motors are provided for long life and dependable service. These motors are permanently lubricated, totally enclosed and thermally protected. They are available for 240/1/60, 480/1/60 or 600/1/60. Contact RefPlus sales for 50 Hz.

Fan assemblies are statically and dynamically balanced for a smooth and vibration-free operation.

Welded wire fan guards are black epoxy-coated for consistency of dimensions and full protection of moving parts.

### MOUNTING

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All models are ceiling mounted standard. Consult Sales Department for other desired mounting options.

## SPECIFICATIONS (CONTINUED)

### COIL

Coils are manufactured with seamless deoxidized rifled copper tubes and aluminum corrugated fins. Tubes are mechanically expanded into self-spaced fins plates with full collar for a permanent bond and optimum heat transfer. Connections and bends are brazed with high-temperature brazing alloy. Coils are factory leak tested at 400 psig and purged with a -40°F dew point dry air. Optional nitrogen charge is available.

Coils are circuited for all synthetic refrigerants throughout the evaporator operating range and are also available for CO<sub>2</sub> up to 650 PSI (ETL) and 700 PSI (CRN). Recirculated evaporators (SS headers, air or hot gas defrost only) can be rated up to 1741 PSI. Fin spacing is customizable to fit different applications from 8 FPI to 4 FPI. Optional tubing material can be smooth copper, heavy gauge copper for high pressure CO<sub>2</sub>, cupro-nickel or 316 stainless steel.

Optional fin material can be hydrophobic epoxy aluminum, copper or 316 stainless steel. Optional coatings such as Blygold, Heresite or Electrofin are available for complete coil coverage.

### DEFROST SYSTEMS

**Electric defrost** is done by the means of an internal heating element array, defrosting the coil from the inside out, allowing minimal heat losses in the room. With the help of an optional Refplus Guardian+ controller, pulsating current and temperature monitoring will allow for majority of frost being sublimated instead of thawed into running water, allowing for better energy efficiency and minimizing the risk of water overflowing.

**Three-pipe hot gas defrost** includes auxiliary side connection, running from downstream of the expansion valve, through the coil and in the drain pan before going to the suction line.

**Reverse cycle hot gas defrost** allows for two piping connexions only, reducing installation costs on the evaporator. Included is a liquid line bypass with check valve allowing for single liquid line input while allowing hot gas flow to bypass the expansion valve.

**Note:** Specifications subject to change without notice.

## STANDARD & OPTIONAL FEATURES

### Standard Features

- AWEF registered (see page 12 for list of registered models)
- EC motors for AWEF models
  - two-speed motors for air defrost
  - high-speed motors for electric & gas defrost
- PSC motors for non-AWEF models
- Air throw up to 50 feet
- Cabinet: Stucco aluminum
- Inserted Incoloy electric defrost heaters (EKE model only)
- Hinged drain pan on all air and electric defrost models
- Ready for low GWP refrigerant and CO<sub>2</sub> applications
- Ceiling mountable

### Available Options

- EC motors 0-10V

**Note:** AWEF requires that ECM 0-10V motors be programmed to operate at maximum 50% while compressor is off (air defrost units only)

- Two-speed EC motors for electric & gas defrost
- Thermostatic or electronic expansion valve
- Guardian+ smart defrost controller with EC fan speed and electronic expansion valve control as well as a one year free *Smart Access*
- Liquid line solenoid valve
- Shipped loose room thermostat
- Fans and heaters contactors with fuses or breakers
- Disconnect switch (fused or non-fused)
- Stainless steel casing and drain pan
- Custom painted casing and drain pan (epoxy)
- Black epoxy-coated welded wire guard
- Coil Coating (Blygold, Heresite or Electrofin)
- Custom coil design (FPI, material, geometry)
- Hydrophobic epoxy aluminum fins
- Auxiliary Side Connection for hot gas bypass
- Mounting bracket kit to match mounting holes of preceding generation with the same casing length

# STANDARD & OPTIONAL FEATURES

**FINS**  
 ALUMINIUM (STANDARD)  
 COPPER OR 316 STAINLESS STEEL (OPTIONAL)

BLUE EPOXY COATING (OPTIONAL)

BLYGOLD COATING (OPTIONAL)

HERESITE COATING (OPTIONAL)

ELECTROFIN COATING (OPTIONAL)

STAINLESS STEEL TUBING (OPTIONAL)

RIFLED COPPER TUBING

**CASING**  
 STUCCO  
 ALUMINIUM

OPTIONS: EPOXY PAINT COATED OR FULL 316 STAINLESS STEEL

**GUARDIAN+ SMART EVAPORATOR CONTROL SYSTEM (OPTIONAL)**

**FANS**  
 HEAVY-DUTY FAN MOTORS  
 PERMANENT LUBRICATION  
 THERMAL PROTECTION  
 ALUMINIUM BLADES



**DRAIN PAN**  
 HEATED AND HINGED

**INCORPORATED INSERT HEATERS (ELECTRIC DEFROST ONLY)**

**EEV ELECTRONIC EXPANSION VALVE (OPTIONAL)**

**ELECTRICAL PANEL**  
 EASY MAINTENANCE AND FULLY CONFIGURABLE

## EKA - AIR DEFROST

## FOR COOLERS ABOVE +34°F

## CAPACITIES

MODEL	CFM	CAPACITY (MBH) FOR R-448A (>85% RH)				CONNECTION (INCHES)		R-448A OPERATING CHARGE (LB.)	STANDARD UNIT SHIPPING WEIGHT (LB.)
		8°F TD	10°F TD	12°F TD	15°F TD	LIQUID	SUCTION		
EKA-1400	2,100	11.70	14.62	17.54	21.93	1/2	7/8	3.48	100
EKA-1600	1,900	13.36	16.70	20.04	25.05	1/2	7/8	5.24	110
EKA-1800	3,200	15.03	18.79	22.55	28.19	1/2	1 1/8	4.24	153
EKA-2100	2,800	17.54	21.92	26.30	32.88	1/2	1 1/8	6.38	167
EKA-2400	4,100	20.05	25.06	30.07	37.59	1/2	1 1/8	6.14	196
EKA-3000	3,500	25.06	31.32	37.58	46.98	1/2	1 1/8	9.21	214
EKA-3600	5,700	30.06	37.58	45.10	56.37	1/2	1 3/8	8.01	243
EKA-4200	5,100	35.08	43.85	52.62	65.78	1/2	1 3/8	12.03	264
EKA-5400	6,600	45.10	56.38	67.66	84.57	1/2	1 3/8	14.86	313
EKA-6300	8,000	52.62	65.77	78.92	98.66	1/2	1 3/8	17.71	361

## ELECTRICAL

MODEL	MOTOR QTY	240/1/60			600/3/60			480/3/60			208-240/3/60		
		FAN MOTOR			FAN MOTOR			FAN MOTOR			FAN MOTOR		
		FLA	MCA	FUSE	FLA	MCA	FUSE	FLA	MCA	FUSE	FLA	MCA	FUSE
EKA-1400	1	2.80	3.50	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EKA-1600	1	2.80	3.50	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EKA-1800	2	5.60	6.30	15	0.73	0.91	15	1.73	2.17	15	N/A	N/A	N/A
EKA-2100	2	5.60	6.30	15	0.73	0.91	15	1.73	2.17	15	4.85	6.06	15
EKA-2400	2	5.60	6.30	15	0.73	0.91	15	1.73	2.17	15	4.85	6.06	15
EKA-3000	2	5.60	6.30	15	0.73	0.91	15	1.73	2.17	15	4.85	6.06	15
EKA-3600	3	8.40	9.10	15	0.73	0.91	15	1.73	2.17	15	4.85	6.06	15
EKA-4200	3	8.40	9.10	15	0.73	0.91	15	1.73	2.17	15	4.85	6.06	15
EKA-5400	4	11.20	11.90	15	1.45	1.64	15	3.46	3.90	15	9.70	10.91	15
EKA-6300	5	14.00	14.70	20	1.45	1.64	15	3.46	3.90	15	9.70	10.91	15

## NOTES:

- Capacities are for R-448A. For other refrigerants, please refer to the refrigerant factor table (Page 11).
- Standard units are 8 FPI, for 4 FPI multiply capacity by 0.75.
- Capacities are based on 85% R.H. and 100°F liquid temperature.

EKE - ELECTRIC DEFROST

FOR COOLERS & FREEZERS FROM -30°F TO +34°F

CAPACITIES

MODEL	CFM	CAPACITY (MBH) FOR R-448A @ 10°F TD (>85% RH)				CONNECTION (INCHES)		R-448A OPERATING CHARGE (LB.)	STANDARD UNIT SHIPPING WEIGHT (LB.)
		-40°F	-20°F	0°F	+20°F	LIQUID	SUCTION		
EKE-1300	2,200	10.45	11.54	12.55	13.57	1/2	7/8	5.5	110
EKE-1500	2,000	12.06	13.31	14.49	15.66	1/2	7/8	8.65	121
EKE-1700	3,300	13.67	15.09	16.42	17.75	1/2	1 1/8	6.7	168
EKE-2000	2,900	16.08	17.75	19.31	20.88	1/2	1 1/8	10.52	184
EKE-2200	4,200	17.69	19.52	21.25	22.97	1/2	1 1/8	9.67	216
EKE-2900	3,700	23.31	25.73	28.01	30.28	1/2	1 1/8	15.2	235
EKE-3400	5,952	27.33	30.17	32.83	35.50	1/2	1 3/8	12.64	267
EKE-4000	5,202	32.16	35.50	38.63	41.76	1/2	1 3/8	19.87	290
EKE-5000	6,752	40.19	44.37	48.29	52.20	1/2	1 3/8	24.55	344
EKE-6000	8,200	48.23	53.24	57.94	62.64	1/2	1 3/8	29.23	397

ELECTRICAL

MODEL	MOTOR QTY	240/1/60							208-240/3/60						
		FAN MOTOR			HEATER				FAN MOTOR			HEATER			
		FLA	MCA	FUSE	KW	FLA	MCA	FUSE	FLA	MCA	FUSE	KW	FLA	MCA	FUSE
EKE-1300	1	2.80	3.50	15	3.00	12.50	15.63	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EKE-1500	1	2.80	3.50	15	3.00	12.50	15.63	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EKE-1700	2	5.60	6.30	15	3.84	16.00	20.00	20	4.85	6.06	15	5.11	12.29	15.36	20
EKE-2000	2	5.60	6.30	15	3.84	16.00	20.00	20	4.85	6.06	15	5.11	12.29	15.36	20
EKE-2200	2	5.60	6.30	15	5.76	24.00	30.00	30	4.85	6.06	15	7.67	18.45	23.06	25
EKE-2900	2	5.60	6.30	15	5.76	24.00	30.00	30	4.85	6.06	15	7.67	18.45	23.06	25
EKE-3400	3	8.40	9.10	15	7.68	32.00	40.00	40	4.85	6.06	15	10.22	24.59	30.74	35
EKE-4000	3	8.40	9.10	15	7.68	32.00	40.00	40	4.85	6.06	15	10.22	24.59	30.74	35
EKE-5000	4	11.20	11.90	15	9.60	40.00	50.00	50	9.70	10.91	15	12.78	30.74	38.43	40
EKE-6000	5	14.00	14.70	15	11.52	48.00	60.00	60	9.70	10.91	15	15.34	36.90	46.13	50

MODEL	MOTOR QTY	600/3/60							480/3/60						
		FAN MOTOR			HEATER				FAN MOTOR			HEATER			
		FLA	MCA	FUSE	KW	FLA	MCA	FUSE	FLA	MCA	FUSE	KW	FLA	MCA	FUSE
EKE-1300	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EKE-1500	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EKE-1700	2	0.73	0.91	15	3.84	3.70	4.63	15	1.73	2.17	15	3.27	3.93	4.91	15
EKE-2000	2	0.73	0.91	15	3.84	3.70	4.63	15	1.73	2.17	15	3.27	3.93	4.91	15
EKE-2200	2	0.73	0.91	15	5.76	5.54	6.93	15	1.73	2.17	15	4.91	5.91	7.39	15
EKE-2900	2	0.73	0.91	15	5.76	5.54	6.93	15	1.73	2.17	15	4.91	5.91	7.39	15
EKE-3400	3	0.73	0.91	15	7.68	7.39	9.24	15	1.73	2.17	15	6.55	7.88	9.85	15
EKE-4000	3	0.73	0.91	15	7.68	7.39	9.24	15	1.73	2.17	15	6.55	7.88	9.85	15
EKE-5000	4	1.45	1.64	15	9.60	9.24	11.55	15	3.46	3.90	15	8.18	9.84	12.30	15
EKE-6000	5	1.45	1.64	15	11.52	11.09	13.86	15	3.46	3.90	15	9.82	11.81	14.76	15

NOTES:

- Capacities are for R-448A. For other refrigerants, please refer to the refrigerant factor table (Page 11).
- Standard units are 6 FPI, for 4 FPI multiply capacity by 0.8.
- Capacities are based on 85% R.H. and 100°F liquid temperature.

## EKR / EKT - GAS DEFROST

## FOR COOLERS &amp; FREEZERS FROM -30°F TO +34°F

## CAPACITIES

MODEL	CFM	CAPACITY (MBH) FOR R-448A @ 10°F TD (>85% RH)				CONNECTION (INCHES)			R-448A OPERATING CHARGE (LB.)	STANDARD UNIT SHIPPING WEIGHT (LB.)
		-40°F	-20°F	0°F	+20°F	LIQUID	SUCTION	HOT GAS (EKT)		
EK*-1300	2,200	10.45	11.54	12.55	13.57	1/2	7/8	7/8	3.48	108
EK*-1500	2,000	12.06	13.31	14.49	15.66	1/2	7/8	7/8	5.24	118
EK*-1700	3,300	13.67	15.09	16.42	17.75	1/2	1 1/8	7/8	4.24	165
EK*-2000	2,900	16.08	17.75	19.31	20.88	1/2	1 1/8	7/8	6.38	180
EK*-2200	4,200	17.69	19.52	21.25	22.97	1/2	1 1/8	7/8	6.14	211
EK*-2900	3,700	23.31	25.73	28.01	30.28	1/2	1 1/8	1 1/8	9.21	230
EK*-3400	5,952	27.33	30.17	32.83	35.50	1/2	1 3/8	1 1/8	8.01	261
EK*-4000	5,202	32.16	35.50	38.63	41.76	1/2	1 3/8	1 1/8	12.03	284
EK*-5000	6,752	40.19	44.37	48.29	52.20	1/2	1 3/8	1 1/8	14.86	337
EK*-6000	8,200	48.23	53.24	57.94	62.64	1/2	1 3/8	1 1/8	17.71	388

## ELECTRICAL

MODEL	MOTOR QTY	240/1/60			208-240/3/60			600/3/60			480/3/60		
		FAN MOTOR			FAN MOTOR			FAN MOTOR			FAN MOTOR		
		FLA	MCA	FUSE	FLA	MCA	FUSE	FLA	MCA	FUSE	FLA	MCA	FUSE
EK*-1300	1	2.80	3.50	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EK*-1500	1	2.80	3.50	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EK*-1700	2	5.60	6.30	15	4.85	6.06	15	0.73	0.91	15	1.73	2.17	15
EK*-2000	2	5.60	6.30	15	4.85	6.06	15	0.73	0.91	15	1.73	2.17	15
EK*-2200	2	5.60	6.30	15	4.85	6.06	15	0.73	0.91	15	1.73	2.17	15
EK*-2900	2	5.60	6.30	15	4.85	6.06	15	0.73	0.91	15	1.73	2.17	15
EK*-3400	3	8.40	9.10	15	4.85	6.06	15	0.73	0.91	15	1.73	2.17	15
EK*-4000	3	8.40	9.10	15	4.85	6.06	15	0.73	0.91	15	1.73	2.17	15
EK*-5000	4	11.20	11.90	15	9.70	10.91	15	1.45	1.64	15	3.46	3.90	15
EK*-6000	5	14.00	14.70	20	9.70	10.91	15	1.45	1.64	15	3.46	3.90	15

## NOTES:

- Capacities are for R-448A. For other refrigerants, please refer to the refrigerant factor table (Page 11).
- Standard unit are 6 FPI, for 4 FPI multiply capacity by 0.8.
- Capacities are based on 85% R.H. and 100°F liquid temperature.
- Use EKR model for reverse cycle defrost with hot gas drain pan.
- Use EKT model for three pipe defrost with hot gas drain pan.

FACTOR TABLES BASED ON R-448A DATA

CAPACITY CONVERSION FACTOR FOR OTHER REFRIGERANTS

REFRIGERANT	FACTOR
R-404A	0.958
R-410A	1.053
R-22	0.976
R-134A	0.869
R-407F	1.008
R-407A	0.988
R-407C	0.988
R-449A	0.997
R-450A	0.810
R-513A	0.914

OPERATING CHARGE CONVERSION FACTOR FOR OTHER REFRIGERANTS

REFRIGERANT	FACTOR
R-404A	0.945
R-410A	0.960
R-22	1.029
R-134A	1.026
R-407F	1.000
R-407A	1.000
R-407C	1.000
R-449A	1.000
R-450A	1.026
R-513A	1.026

CAPACITY CONVERSION FACTOR FOR OTHER FPI

FPI	FACTOR
6	1.0
5	0.9
4	0.8

**Note:** For models with standard FPI other than 6, please refer to Nomis or contact RefPlus Sales.

**Note:** For R744 (CO<sub>2</sub>) application, please contact RefPlus Sales.

CALCULATION EXAMPLE

How to find capacity for an EKE-4000 at -20°F SST, 10°FTD, R-407A with 4 FPI :

EKE-4000 @ -20°F SST, 10°FTD, R-448A with 6 FPI = **35.50 MBH**

35.50 MBH x 0.988 (refrigerant factor) x 0.8 (FPI factor) = **28.06 MBH**

**Notes:** Capacity might slightly differ from Nomis (negligible difference)

# AWEF - ANNUAL WALK-IN ENERGY FACTOR RATINGS

Only 240/1/60 or 240/3/60 models are AWEF registered.

SERIES	MODEL	LOW TEMP.	MEDIUM TEMP.
		R-407A	R-407A
EKA	EKA-1400-*	N/A	9.000
	EKA-1600-*	N/A	9.000
	EKA-1800-*	N/A	9.000
	EKA-2100-*	N/A	9.000
	EKA-2400-*	N/A	9.000
	EKA-3000-*	N/A	9.000
	EKA-3600-*	N/A	9.000
	EKA-4200-*	N/A	9.000
	EKA-5400-*	N/A	9.000
	EKA-6300-*	N/A	9.000

EKE	EKE-1300-*	4.150	9.000
	EKE-1500-*	4.150	9.000
	EKE-1700-*	4.150	9.000
	EKE-2000-*	4.150	9.000
	EKE-2200-*	4.150	9.000
	EKE-2900-*	4.150	9.000
	EKE-3400-*	4.150	9.000
	EKE-4000-*	4.150	9.000
	EKE-5000-*	4.150	9.000
	EKE-6000-*	4.150	9.000

SERIES	MODEL	LOW TEMP.	MEDIUM TEMP.
		R-407A	R-407A
EKR	EKR-1300-*	4.143	9.000
	EKR-1500-*	4.150	9.000
	EKR-1700-*	4.150	9.000
	EKR-2000-*	4.150	9.000
	EKR-2200-*	4.150	9.000
	EKR-2900-*	4.150	9.000
	EKR-3400-*	4.150	9.000
	EKR-4000-*	4.150	9.000
	EKR-5000-*	4.150	9.000
	EKR-6000-*	4.150	9.000

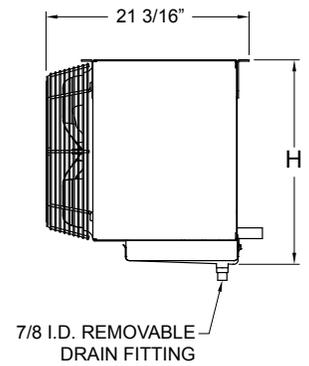
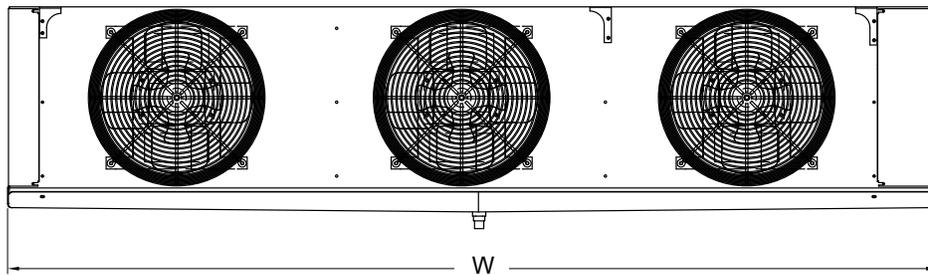
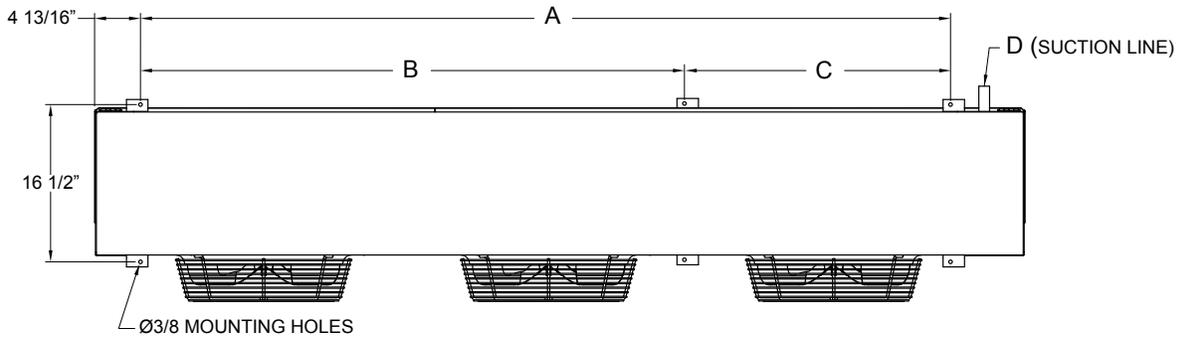
EKT	EKT-1300-*	4.143	9.000
	EKT-1500-*	4.150	9.000
	EKT-1700-*	4.150	9.000
	EKT-2000-*	4.150	9.000
	EKT-2200-*	4.150	9.000
	EKT-2900-*	4.150	9.000
	EKT-3400-*	4.150	9.000
	EKT-4000-*	4.150	9.000
	EKT-5000-*	4.150	9.000
	EKT-6000-*	4.150	9.000

N/A = Model not suitable

\* = Any available voltage (240/1/60 or 240/3/60)

**Note:** 480/3/60 and 600/3/60 models are not AWEF registered.

# UNIT DIMENSIONS

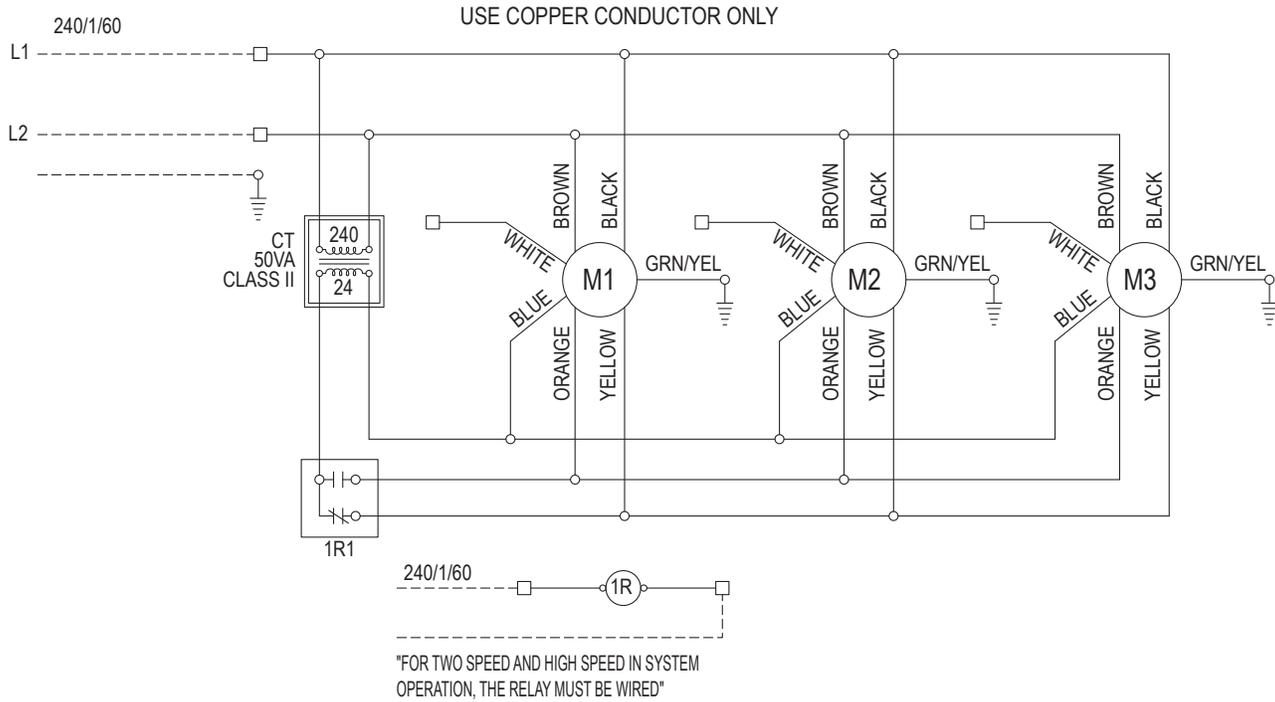


# FAN	UNIT DIMENSIONS (INCHES)					
	W*	H*	A*	B*	C*	D (O.D.)
1 X 1	43 3/8	21 3/8	30 3/4	N/A	N/A	7/8
1 X 2 (EKA 1800, 2100 & EK (E,R,T) 1700, 2000)	51 3/8	21 3/8	38 3/4	N/A	N/A	1 1/8
1 X 2 (EKA 2400, 3000 & EK (E,R,T) 2200, 2900)	71 3/8	21 1/2	58 3/4	N/A	N/A	1 1/8
1 X 3	91 3/8	21 1/2	N/A	52 1/8	26 11/16	1 3/8
1 X 4	111 3/8	21 5/8	N/A	48 3/4	50	1 3/8
1 X 5	131 3/8	21 3/4	N/A	70 3/4	48	1 3/8

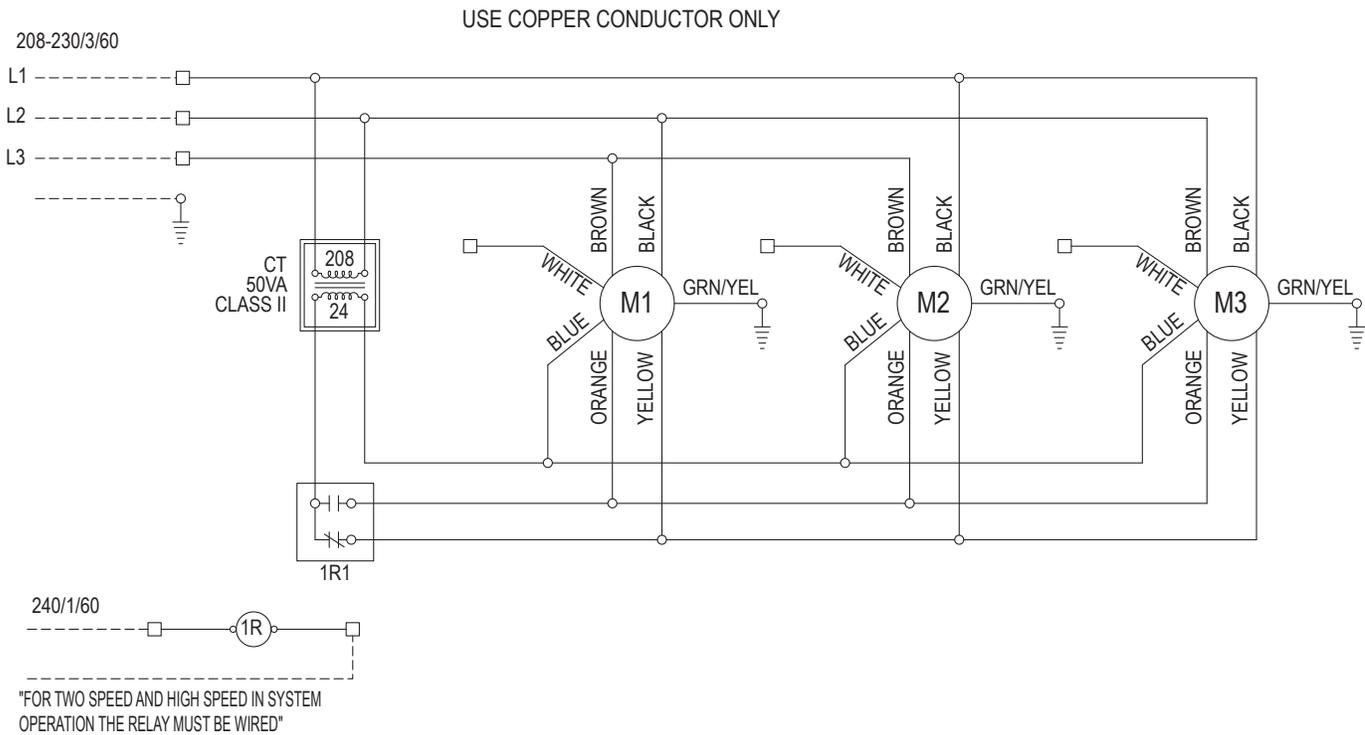
\* ±1/2"

## TYPICAL WIRING DIAGRAMS - AIR DEFROST

### EKA ECM 2-SPEED - 240/1/60

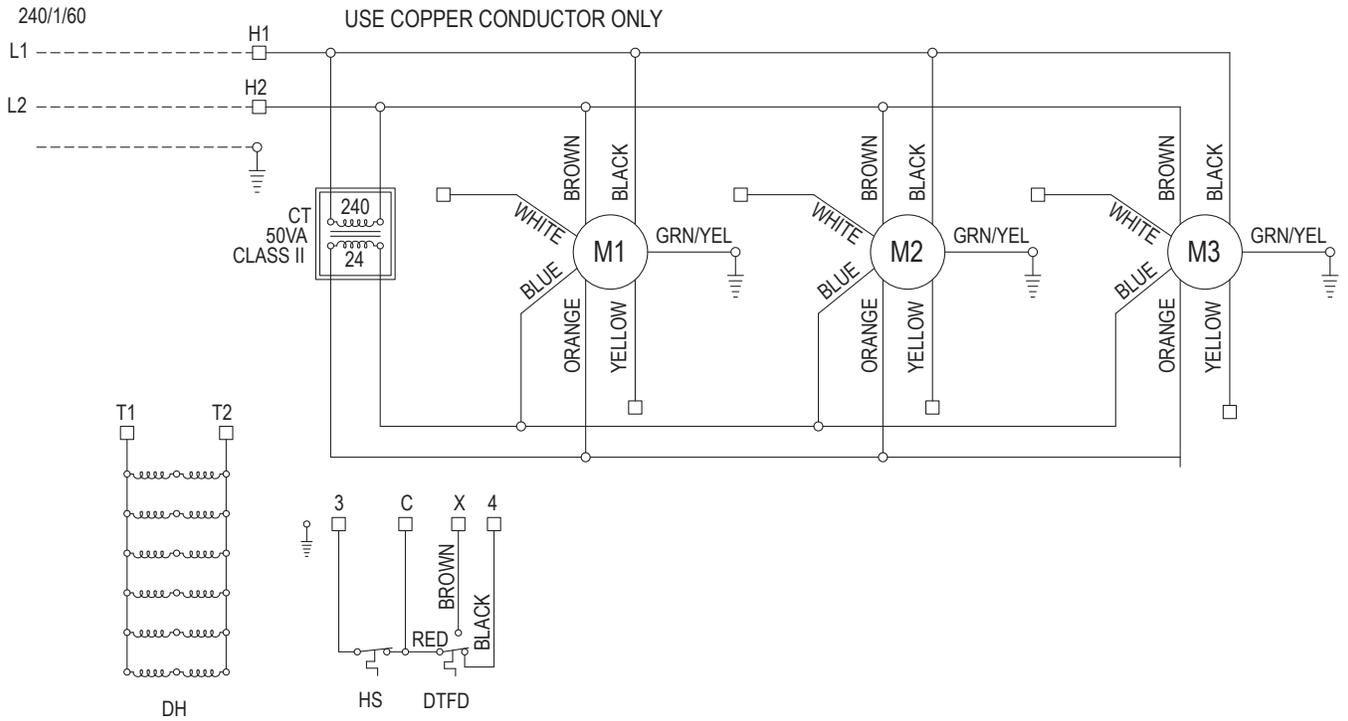


### EKA ECM 2-SPEED - 208-230/3/60

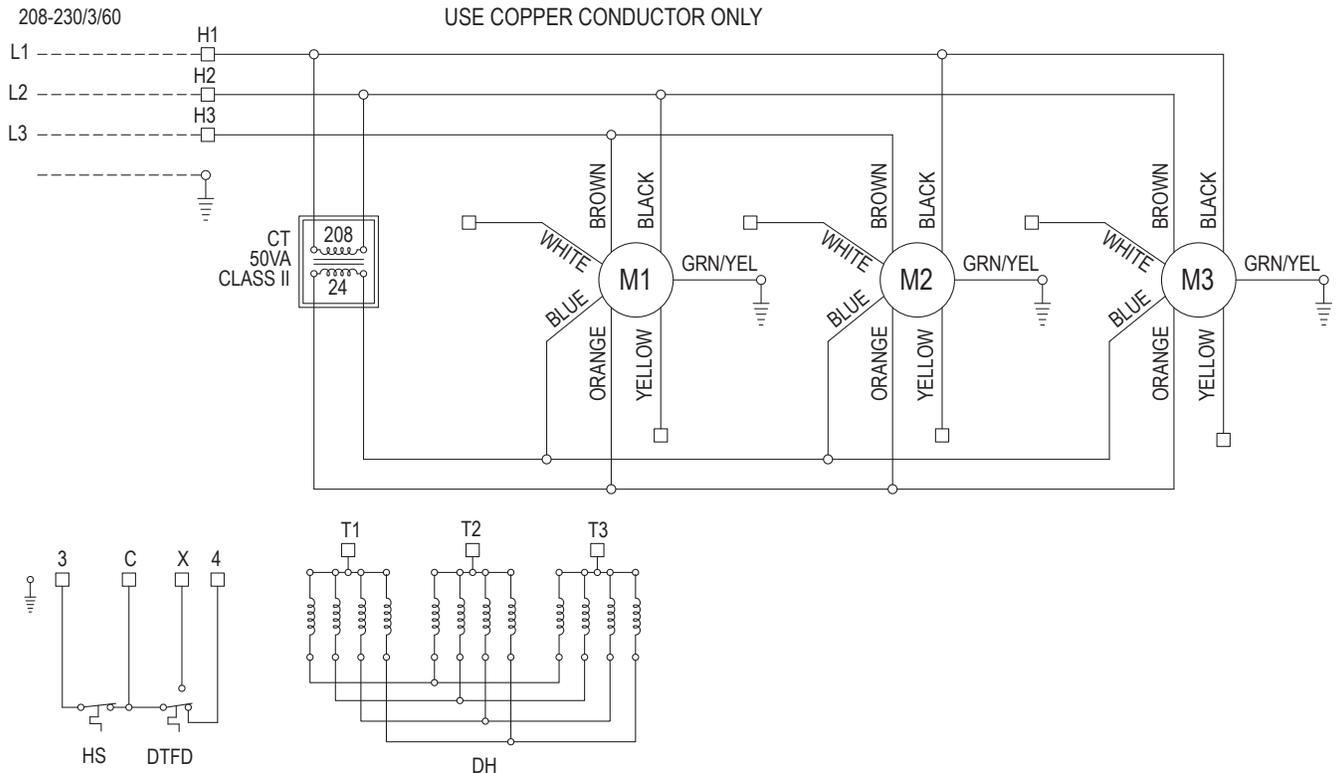


TYPICAL WIRING DIAGRAMS - ELECTRIC DEFROST

EKE ECM HI-SPEED - 240/1/60

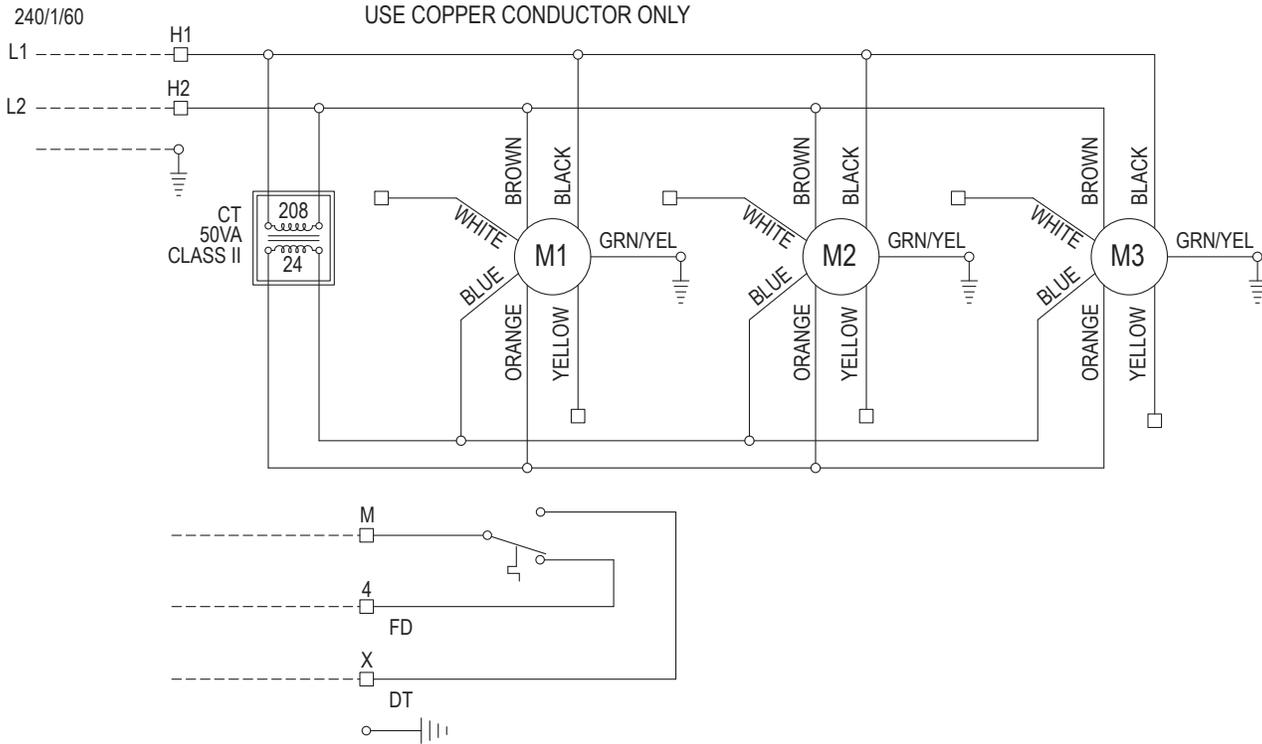


EKE ECM HI-SPEED - 208-230/3/60

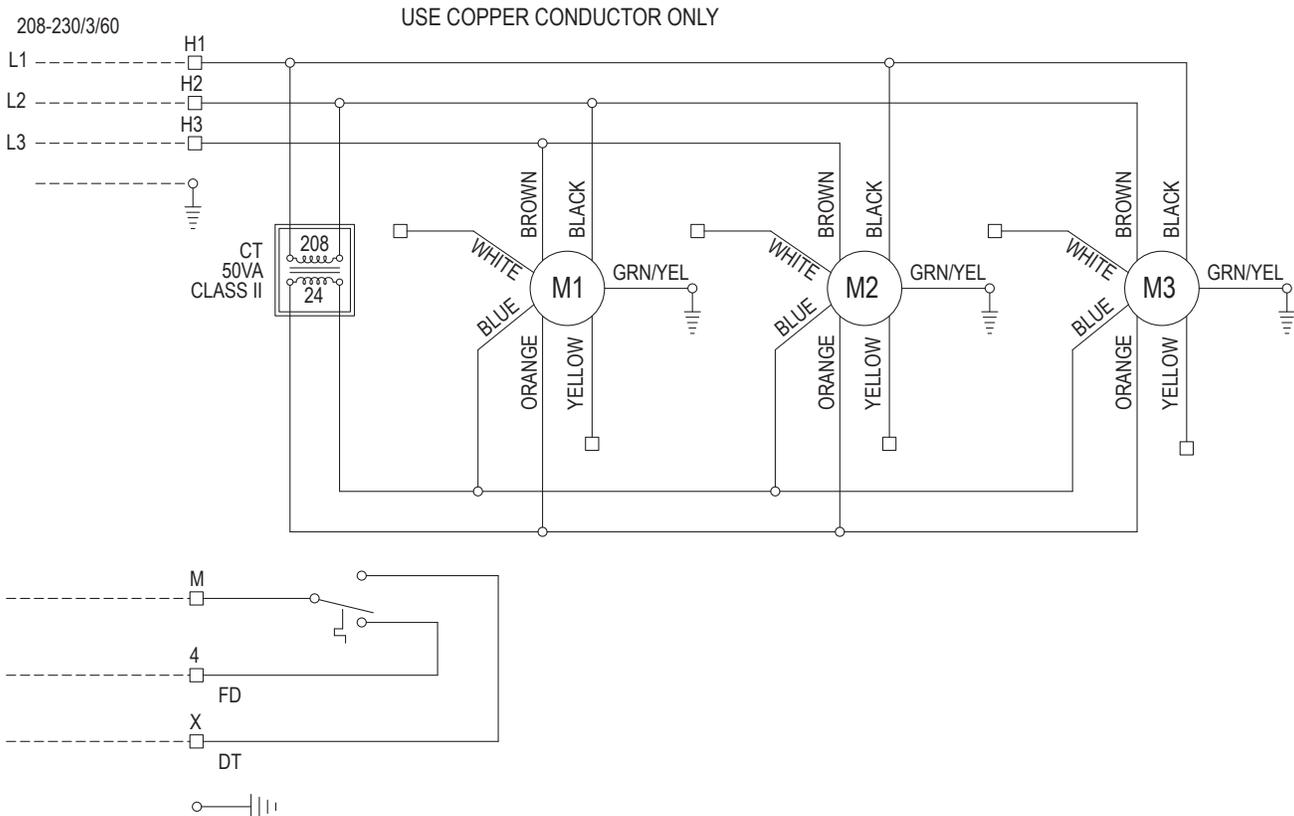


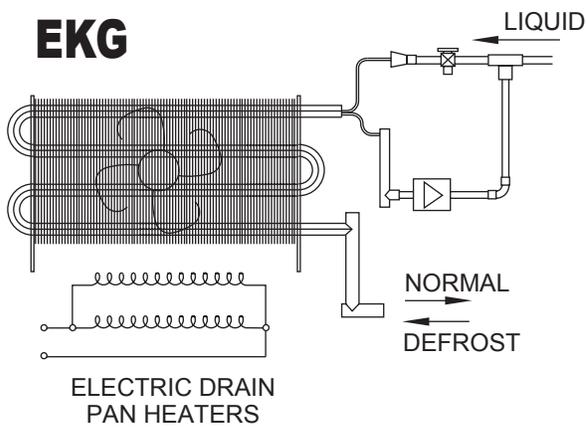
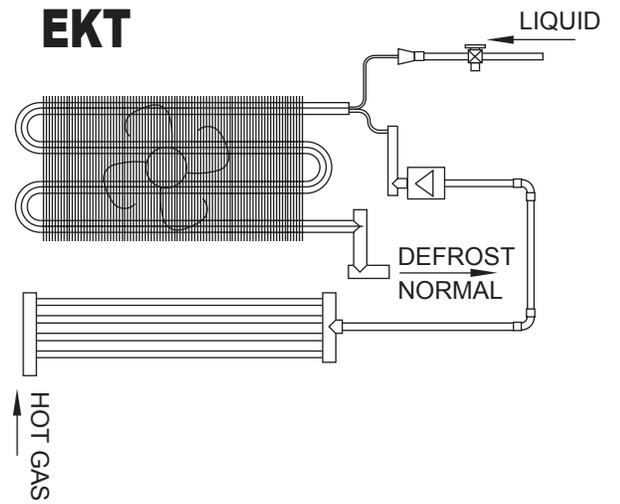
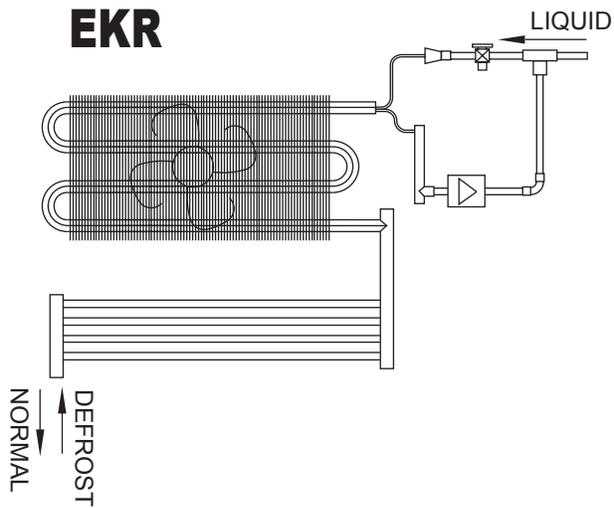
TYPICAL WIRING DIAGRAMS - HOT-GAS DEFROST

EKR(T) ECM HI-SPEED - 240/1/60

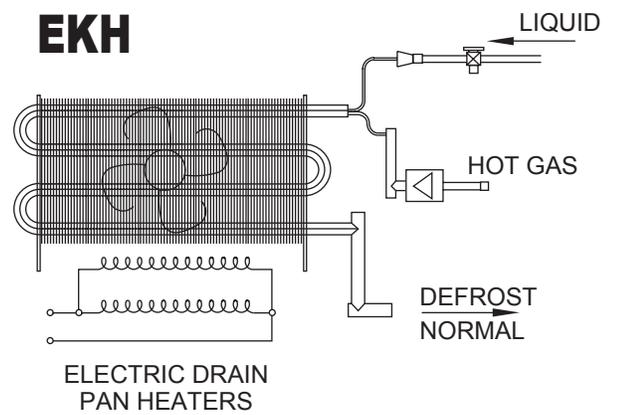


EKR(T) ECM HI-SPEED - 208-230/3/60





REVERSE CYCLE DEFROST



THREE PIPE DEFROST





Combine your selected unit with the Guardian+ defrost option to obtain an EcoEfficient+ system and optimize your energy efficiency.

## eco efficient+



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CATALOG\_EK\_EN-R1

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