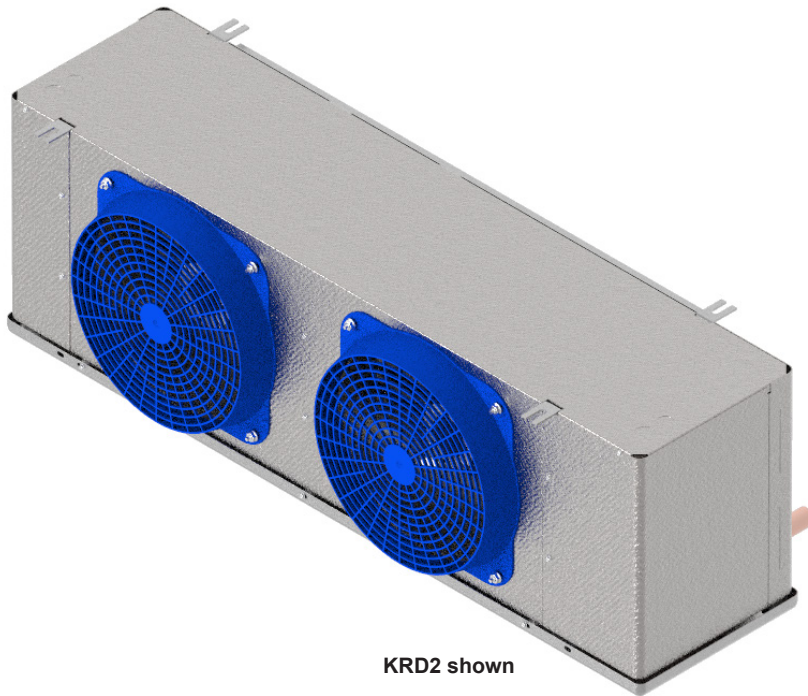




KRD2 shown

Customer-Focused Solutions

Krack has a long history of innovation—continually updating and expanding current product offerings while developing new solutions to help reduce environmental impacts and meet or exceed regulatory requirements.

Krack can help you understand benefits and trade-offs associated with each solution and make the most of incentive and rebate programs.



Check all warnings and read the entire manual before installing, servicing, or conducting maintenance on any A2L-equipped unit to avoid potential risks including explosion, death, injury, and property damage.

Scan the QR code for more information on A2L systems.

Certifications



For food service installations, seal any joint between unit cooler and cooler wall with a sealant listed by the National Sanitation Foundation.

We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

Technical Datasheet

KR-A2L Series

Compact Evaporator /
Unit Cooler

P/N 3231696 Rev A
October 2025

Refrigerant Type

A2L
(R-454A or R-454C)

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⚠ WARNING

Component parts shall be replaced with like components, and servicing shall be done by factory authorized service personnel only, so as to minimize the risk of possible ignition due to incorrect parts or improper service.

KR-A2L Series

Model Overview

WARNING:

Read the entire installation, operation, and service manual before installing, servicing, or using this equipment. Refer to the manual for detailed information about minimum room floor area and installation, maintenance, and service processes.

If the information in the instructions are not followed exactly, a fire or explosion may result, causing property damage, personal injury, or death. Installation and service must be performed by a qualified installer or service agency.



Mildly flammable A2L refrigerant used. Units that are configured to use A2L refrigerants require special attention. No open flames, cigarettes, or other possible sources of ignition should be used inside or in the vicinity of units containing flammable refrigerants.

If a refrigerant leak is present or even suspected, do not allow untrained personnel to attempt to find the cause. Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere.

Information on pre-installed A2L refrigerant sensors and detectors, safety shut-off and check valves, relay information, and additional parts replacement information can be found in the associated installation, operation, and service manual. All manual information must be reviewed in full prior to performing any work.

Overview

Krack KR-A2L Series evaporators are ideal solutions where a compact unit cooler is required. This system operates using A2L refrigerant (either R-454A or R-454C). A2Ls are synthetic, mildly-flammable refrigerants that meet low GWP regulatory requirements and offer the greatest ease of use for technicians compared to other solutions.

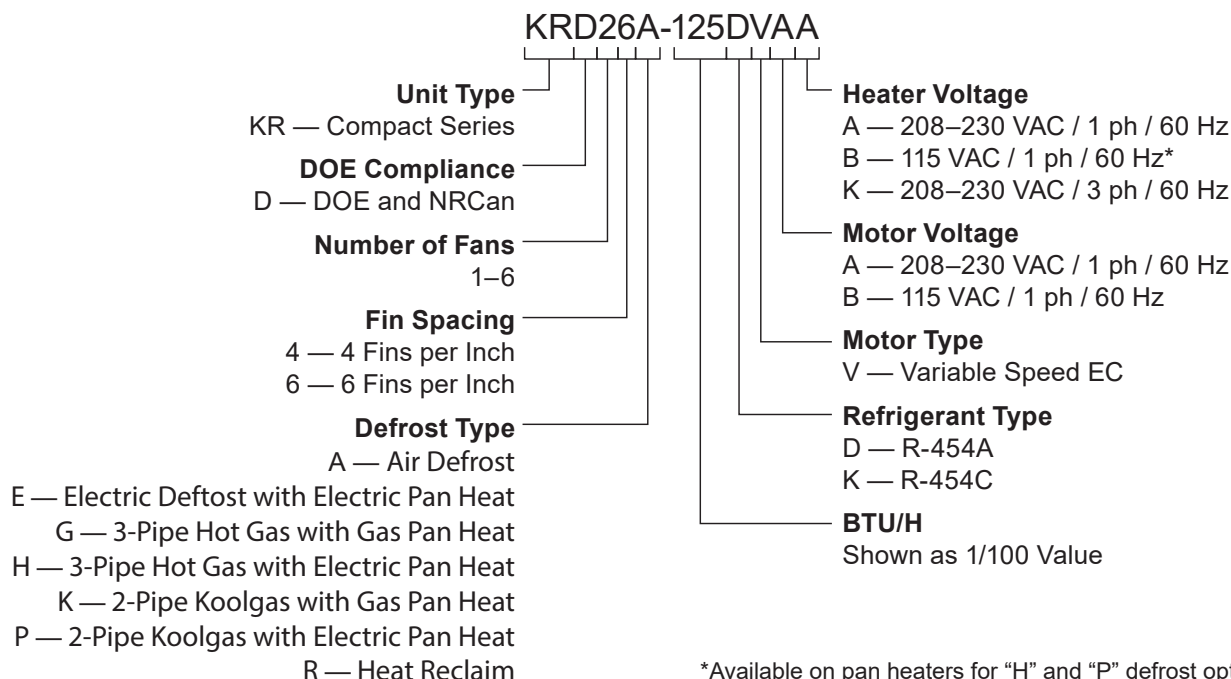
KR-A2L Series evaporators have a published AWEF rating which meets the efficiency requirements of the U.S. Department of Energy (DoE) and Natural Resources Canada (NRCan) regulations. These specific regulations are for evaporators installed in refrigerated spaces 3,000 square feet (278 square meters) or less, and held at 55° F (12.8° C) room temperature or colder. Please note any additional compliance requirements at the time of ordering.

Controls may be factory installed or field supplied.

Motors have default prevention programming. In the event of a control loss input (0 V), the motors will run at full speed.

Model Nomenclature

The nomenclature of a typical configuration is shown below, but not all variables are fully defined here. Please contact Krack for more details. If interested in non-standard configurations.



*Available on pan heaters for “H” and “P” defrost options only.

Ordering Information

Complete model number (including refrigerant), room temperature, saturated suction temperature, liquid refrigerant temperature, and any desired optional accessories and/or features must be specified during the ordering process.

Specifications

Application Specifications

Air Throw Distance (unobstructed) ft (m)		Maximum Ceiling Height ^A ft (m)	Lowest Midpoint Evaporating Temp.	Minimum Operating TD	Maximum Operating TD ^B
standard	with long throw adapter				
20 (6.1)	30 (9.1)	12 (3.7)	-30° F (-34.4° C)	7° F (3.9° C)	15° F (8.3° C)

^A Reflects typical WICF refrigeration loads and proper air circulation. Placement in WICF exceeding the maximum ceiling height shown or loads lower than typical may require additional fans to avoid warm spots.

^B Maximum TD for MT applications can be increased to 25° F (13.9° C) when evaporating temperature is above 34° F (1.1° C).

KR-A2L Series

Specifications

Electrical

Main disconnect for the unit will be an external breaker. See controller specifications or wiring diagrams for controller voltage requirements. Current is shown as the rated value, not the actual current draw.

Model	Fan Motor			
	115 VAC / 1 Φ / 60 Hz		208–230 VAC / 1 Φ / 60 Hz	
	Wattage (W)	Current (A)	Wattage (W)	Current (A)
KRD1 (1-fan)	46	0.9	45	0.6
KRD2 (2-fan)	92	1.8	90	1.2
KRD3 (3-fan)	138	2.7	135	1.8
KRD4 (4-fan)	184	3.6	180	2.4
KRD5 (5-fan)	230	4.5	225	3
KRD6 (6-fan)	276	5.4	270	3.6

Model	Electric Defrost				Gas Defrost Pan Heater			
	230 VAC / 1 Φ / 60 Hz		208–230 VAC / 3 Φ / 60 Hz		115 VAC / 1 Φ / 60 Hz		208–230 VAC / 1 Φ / 60 Hz	
	Wattage (W)	Current (A)	Wattage (W)	Current (A) (total)	Wattage (W)	Current (A)	Wattage (W)	Current (A)
KRD1 (1-fan)	1,000	4.3	1,000	2.9	300	2.6	300	1.3
KRD2 (2-fan)	2,000	8.7	2,000	5.8	600	5.2	600	2.6
KRD3 (3-fan)	3,000	13	3,000	8.7	800	7	800	3.5
KRD4 (4-fan)	4,000	17.4	4,000	11.6	1,000	8.7	1,000	4.4
KRD5 (5-fan)	5,000	21.7	5,000	14.5	1,100	9.6	1,100	4.8
KRD6 (6-fan)	6,000	26.1	6,000	17.4	1,400	12.2	1,400	6.1

Standard Features

Model	KR-A2L
Coil Construction	heavy-wall copper tube and rippled full-collar aluminum fins
Defrost Type	air
Factory Shipping State	sealed and pressurized
Fan Control	user specified, factory wired (10 VDC amplifier for remote controller standard)
Housing	aluminum
Leak Detection	Danfoss sensor
Leak Mitigation	solenoid shut-off valve and check valve (ship loose)

Optional Features

Model	KR-A2L
Alarm Buzzer/Light	115 VAC or 208–230 VAC option
Coil Coating	Electrofin or Heresite
Defrost Type	electric, hot gas, or Koolgas
Drain Pan	insulated drain pan
Exterior Color	black or white housing and drain pan
Fan Control	VC4P — JC450 controller (requires amplifier) KE2
Housing	stainless steel construction
Leak Detection	Sensata/KE2 system Copeland sensor
Liquid Line	solenoid valve (ship loose)
Long Throw Adapters	increase air throw distance

KR-A2L Series

Specifications

Performance and Refrigeration Data (air defrost)

Model	AWEF	Capacity ^c BTU/hr (kWh)	Air Flow CFM (m³/min)
KRD14A-058[JV	9	5,800 (1.7)	855 (24.2)
KRD16A-040[JV	9	4,000 (1.17)	845 (23.9)
KRD16A-060[JV	9	6,000 (1.76)	845 (23.9)
KRD24A-096[JV	9	9,600 (2.81)	1,750 (49.6)
KRD24A-117[JV	9	11,700 (3.43)	1,710 (48.4)
KRD26A-089[JV	9	8,900 (2.61)	1,690 (47.9)
KRD26A-125[JV	9	12,500 (3.66)	1,690 (47.9)
KRD34A-143[JV	9	14,300 (4.19)	2,625 (74.3)
KRD34A-173[JV	9	17,300 (5.07)	2,565 (72.6)
KRD36A-134[JV	9	13,400 (3.93)	2,535 (71.8)
KRD36A-170[JV	9	17,000 (4.98)	2,535 (71.8)
KRD44A-191[JV	9	19,100 (5.6)	3,500 (99.1)
KRD44A-232[JV	9	23,200 (6.8)	3,420 (96.8)
KRD46A-216[JV	9	21,600 (6.33)	3,380 (95.7)
KRD54A-290[JV	9	29,000 (8.5)	4,275 (121.1)
KRD56A-242[JV	9	24,200 (7.09)	4,225 (119.6)
KRD64A-348[JV	9	34,800 (10.2)	5,130 (145.3)
KRD66A-340[JV	9	34,000 (9.96)	5,070 (143.6)

[] Refrigerant letter code

^c Based on 25° F (-3.9° C) suction temperature and 10° F (5.6° C) T.D.

KR-A2L Series

Specifications

Minimum Room Floor Area, Refrigerant Charge, and Connection Size (air defrost)

Model	Refrigerant Charge ^D — lb (g)		Minimum Room Floor Area ft² (m²)	Line Connection Sizes	
	Operating Charge			Liquid	Suction
	R-454A	R-454C			
KRD14A-058[JV	0.6 (272)		48 (4.46)	1/2"	5/8"
KRD16A-040[JV	0.3 (136)		48 (4.46)	1/2"	5/8"
KRD16A-060[JV	0.5 (227)		48 (4.46)	1/2"	5/8"
KRD24A-096[JV	0.9 (408)		60 (5.57)	1/2"	7/8"
KRD24A-117[JV	1.1 (499)		60 (5.57)	1/2"	7/8"
KRD26A-089[JV	0.6 (272)		60 (5.57)	1/2"	7/8"
KRD26A-125[JV	0.9 (408)		60 (5.57)	1/2"	7/8"
KRD34A-143[JV	1.2 (544)		64 (5.95)	1/2"	7/8"
KRD34A-173[JV	1.6 (726)		64 (5.95)	1/2"	1 1/8"
KRD36A-134[JV	0.8 (363)		64 (5.95)	1/2"	7/8"
KRD36A-170[JV	1.2 (544)		64 (5.95)	1/2"	1 1/8"
KRD44A-191[JV	1.6 (726)		72 (6.69)	1/2"	1 1/8"
KRD44A-232[JV	2.1 (953)		72 (6.69)	1/2"	1 1/8"
KRD46A-216[JV	1.6 (726)		72 (6.69)	1/2"	1 1/8"
KRD54A-290[JV	2.6 (1,179)	2.7 (1,225)	80 (7.43)	1/2"	1 1/8"
KRD56A-242[JV	2 (907)		80 (7.43)	1/2"	1 1/8"
KRD64A-348[JV	3.1 (1,406)	3.2 (1,452)	96 (8.92)	1/2"	1 1/8"
KRD66A-340[JV	2.4 (1,089)		96 (8.92)	1/2"	1 3/8"

[] Refrigerant letter code

^D Approximate charge based on normal operating conditions, contact Krack if releasable charge information is required

KR-A2L Series

Specifications

Performance and Refrigeration Data (electric or gas defrost)

Model	AWEF		LT Capacity ^E BTU/hr (kWh)	MT Capacity ^F BTU/hr (kWh)	Air Flow CFM (m³/min)
	Cooler	Freezer			
KRD14()-037[]V	9	4.15	3,700 (1.08)	5,000 (1.47)	875 (24.8)
KRD16()-035[]V	9	4.15	3,500 (1.03)	4,730 (1.39)	845 (23.9)
KRD16()-045[]V	9	4.15	4,500 (1.32)	6,080 (1.78)	845 (23.9)
KRD24()-074[]V	9	4.15	7,400 (2.17)	9,990 (2.93)	1,750 (49.6)
KRD26()-090[]V	9	4.15	9,000 (2.64)	12,150 (3.56)	1,690 (47.9)
KRD34()-111[]V	9	4.15	11,100 (3.25)	14,990 (4.39)	2,625 (74.3)
KRD36()-135[]V	9	4.15	13,500 (3.96)	18,230 (5.34)	2,535 (71.8)
KRD44()-148[]V	9	4.15	14,800 (4.34)	19,850 (5.82)	3,500 (99.1)
KRD46()-180[]V	9	4.15	18,000 (5.28)	24,300 (7.12)	3,380 (95.7)
KRD54()-185[]V	9	4.15	18,500 (5.42)	24,980 (7.32)	4,375 (123.9)
KRD56()-192[]V	9	4.15	19,200 (5.63)	25,920 (7.6)	4,225 (119.6)
KRD64()-220[]V	9	4.15	22,000 (6.45)	29,700 (8.7)	5,250 (148.7)
KRD66()-270[]V	9	4.15	27,000 (7.91)	36,450 (10.68)	5,070 (143.6)

Minimum Room Floor Area, Refrigerant Charge, and Connection Size (electric or gas defrost)

Model	Refrigerant Charge ^D — lb (g)		Minimum Room Floor Area ft² (m²)	Line Connection Sizes	
	Operating Charge			Liquid	Suction
	R-454A	R-454C			
KRD14()-037[]V	0.5 (227)		48 (4.46)	1/2"	5/8"
KRD16()-035[]V	0.3 (136)		48 (4.46)	1/2"	5/8"
KRD16()-045[]V	0.5 (227)		48 (4.46)	1/2"	5/8"
KRD24()-074[]V	0.9 (408)		60 (5.57)	1/2"	7/8"
KRD26()-090[]V	0.9 (408)		60 (5.57)	1/2"	7/8"
KRD34()-111[]V	1.3 (590)		64 (5.95)	1/2"	7/8"
KRD36()-135[]V	1.3 (590)		64 (5.95)	1/2"	7/8"
KRD44()-148[]V	1.6 (726)		72 (6.69)	1/2"	1 1/8"
KRD46()-180[]V	1.6 (726)		72 (6.69)	1/2"	1 1/8"
KRD54()-185[]V	2 (907)		80 (7.43)	1/2"	1 1/8"
KRD56()-192[]V	2.0 (907)		80 (7.43)	1/2"	1 1/8"
KRD64()-220[]V	2.4 (1,089)		96 (8.92)	1/2"	1 1/8"
KRD66()-270[]V	2.4 (1,089)		96 (8.92)	1/2"	1 1/8"

() Electric or gas defrost letter code

[] Refrigerant letter code

^D Approximate charge based on normal operating conditions, contact Krack if releasable charge information is required

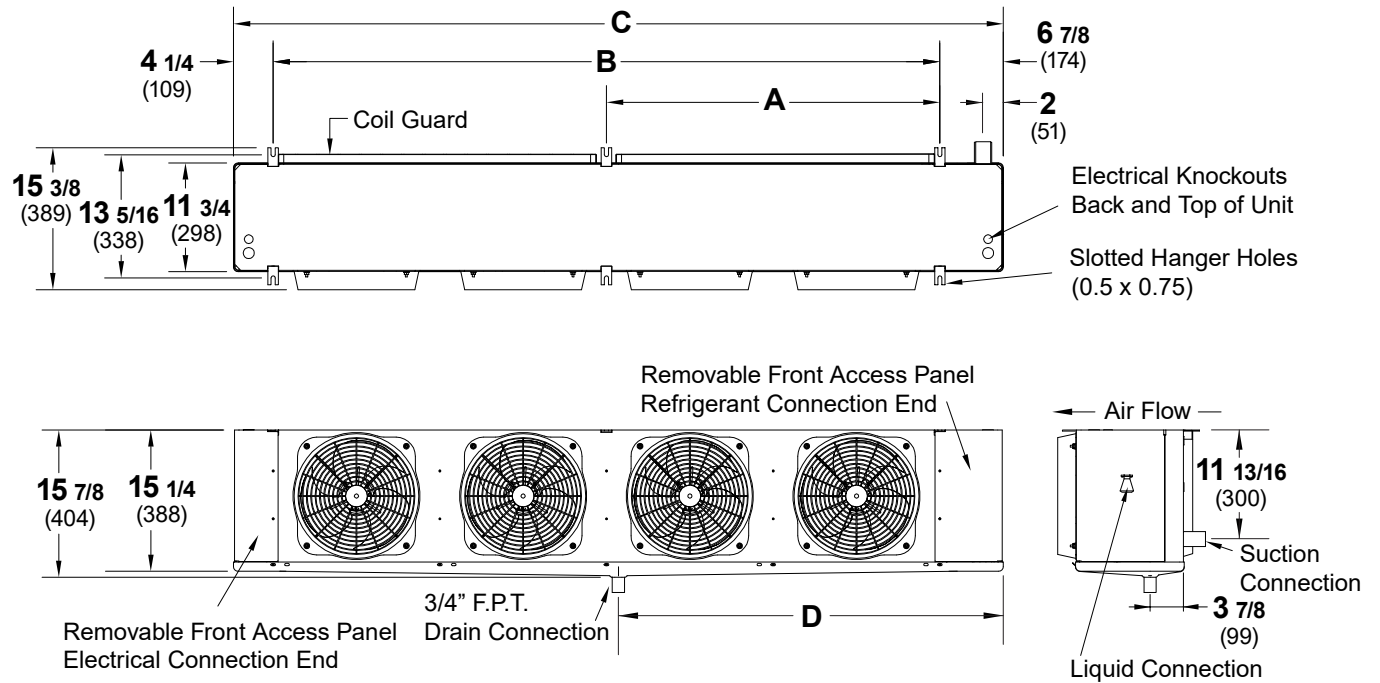
^E Based on -20° F (-28.9° C) suction temperature and 10° F (5.6° C) T.D.

^F Based on 20° F (-6.7° C) suction temperature and 10° F (5.6° C) T.D.

KR-A2L Series

Dimensional Views

Dimensional Views



dimensions shown as in. (mm)

Model	A	B	C (Length)	D
KRD1 (1-fan)	N/A	18 (457)	29 1/8 (740)	14 1/2 (368)
KRD2 (2-fan)	N/A	36 (914)	47 1/8 (1,197)	23 1/2 (597)
KRD3 (3-fan)	N/A	54 (1,372)	65 1/8 (1,654)	32 1/2 (826)
KRD4 (4-fan)	36 (914)	72 (1,829)	83 1/8 (2,111)	41 1/2 (1,054)
KRD5 (5-fan)	45 (1,143)	90 (2,286)	101 1/8 (2,569)	50 1/2 (1,283)
KRD6 (6-fan)	54 (1,372)	108 (2,743)	119 1/8 (3,026)	59 1/2 (1,511)

KR-A2L Series

Additional Specifications

Mounting and Weight Information

Air Defrost Models

Model	Number of Hangers	Shipping Weight ^G
KRD14A-058[]V	4	63 lb (28.6 kg)
KRD16A-040[]V	4	58 lb (26.3 kg)
KRD16A-060[]V	4	63 lb (28.6 kg)
KRD24A-096[]V	4	95 lb (43.1 kg)
KRD24A-117[]V	4	105 lb (47.6 kg)
KRD26A-089[]V	4	105 lb (47.6 kg)
KRD26A-125[]V	4	105 lb (47.6 kg)
KRD34A-143[]V	4	132 lb (59.9 kg)
KRD34A-173[]V	4	147 lb (66.7 kg)
KRD36A-134[]V	4	127 lb (57.6 kg)
KRD36A-170[]V	4	147 lb (66.7 kg)
KRD44A-191[]V	6	174 lb (78.9 kg)
KRD44A-232[]V	6	189 lb (85.7 kg)
KRD46A-216[]V	6	189 lb (85.7 kg)
KRD54A-290[]V	6	236 lb (107 kg)
KRD56A-242[]V	6	231 lb (104.8 kg)
KRD64A-348[]V	6	278 lb (126.1 kg)
KRD66A-340[]V	6	278 lb (126.1 kg)

[] Refrigerant letter code

Electric or Gas Defrost Models

Model	Number of Hangers	Shipping Weight ^E
KRD14()-037[]V	4	58 lb (26.3 kg)
KRD16()-035[]V	4	58 lb (26.3 kg)
KRD16()-045[]V	4	63 lb (28.6 kg)
KRD24()-074[]V	4	95 lb (43.1 kg)
KRD26()-090[]V	4	105 lb (47.6 kg)
KRD34()-111[]V	4	132 lb (59.9 kg)
KRD36()-135[]V	4	147 lb (66.7 kg)
KRD44()-148[]V	6	174 lb (78.9 kg)
KRD46()-180[]V	6	189 lb (85.7 kg)
KRD54()-185[]V	6	211 lb (95.7 kg)
KRD56()-192[]V	6	231 lb (104.8 kg)
KRD64()-220[]V	6	253 lb (114.8 kg)
KRD66()-270[]V	6	278 lb (126.1 kg)

() Electric or Gas defrost letter code

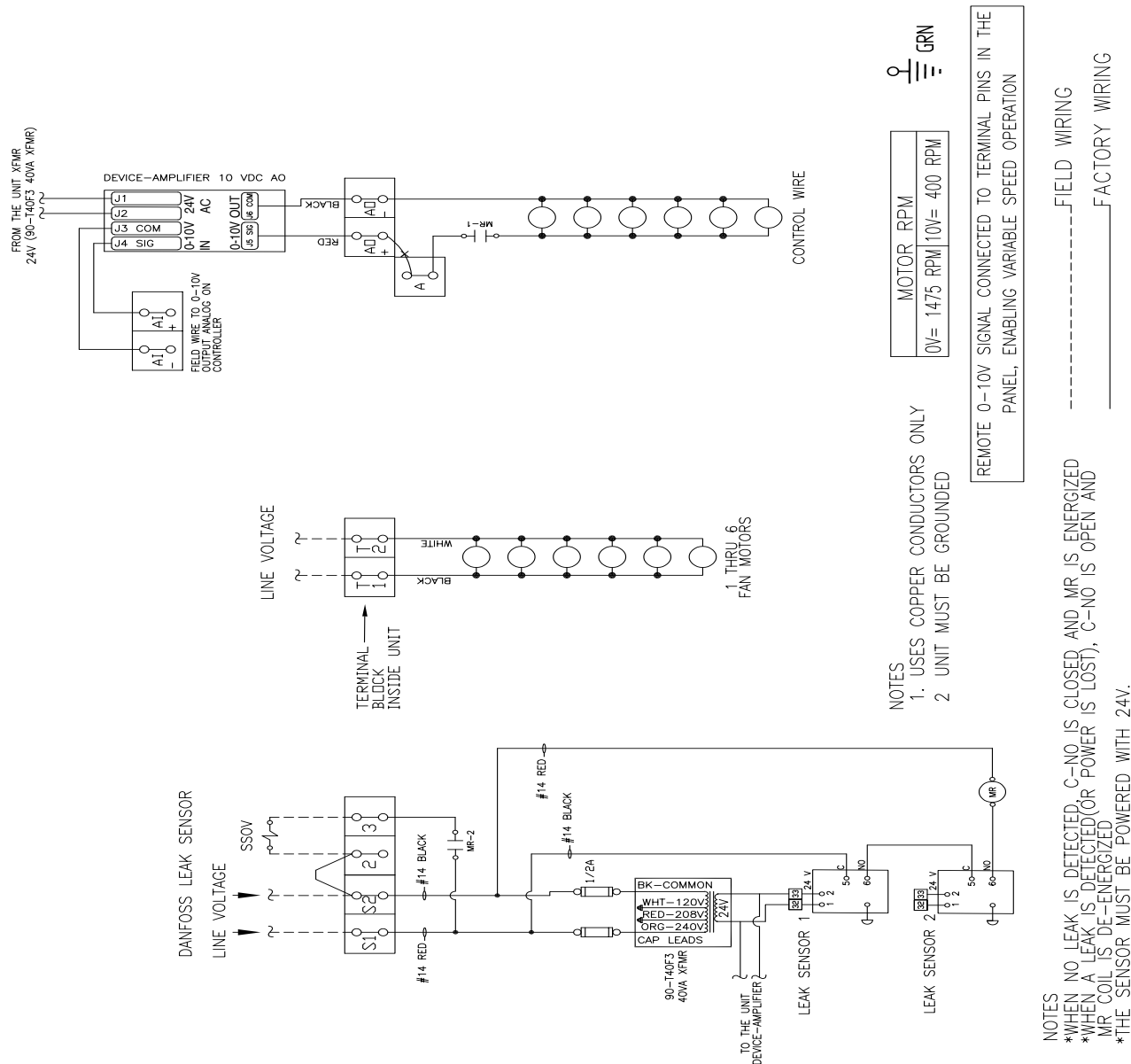
[] Refrigerant letter code

^G Approximate weight, may vary slightly depending on options ordered

Wiring Diagrams

Wire color and configuration depicted on defrost wiring diagrams provided in this document may change depending on configuration or for other design reasons. Example diagrams are provided, but do not represent every possible option. Always consult the wiring diagrams provided with the equipment being worked on for the most accurate information. Equipment-specific wiring diagrams are included in the electrical compartment of the equipment from the factory and must remain in the unit after installation for future use—do not discard.

Air Defrost Wiring Diagram (without timer)



POWER SUPPLY { 208/230/60/1 }

DEFROST TIMER PARAGON 8145-20 OR EQUAL

ROOM TSTAT

LIQUID SOLENOID

TERMINAL BLOCK INSIDE UNIT

FAN MOTORS 1 THRU 6

COIL HEATERS

DRAIN PAN HEATER

NOTES

*WHEN A LEAK IS DETECTED, C-NO IS CLOSED AND MR1-MR2 IS ENERGIZED

*WHEN A LEAK IS DETECTED, POWER IS LOST, C-NO IS OPEN AND MR1-MR2 IS DE-ENERGIZED

NOTES

***WHEN NO LEAK IS DETECTED, C-NO IS CLOSED AND MR1-MR2 IS ENERGIZED

***WHEN A LEAK IS DETECTED(OR POWER IS LOST), C-NO IS OPEN AND MR1-MR2 COIL IS DE-ENERGIZED

***THE SENSOR MUST BE POWERED WITH 24V.

Wiring Diagrams

DEFROST TIMER
PARAGON 8145-20
OR EQUAL

ROOM T-STAT

LIQUID SOLENOID

DEFROST CONTACTOR

DEFROST CONTACTOR

COIL HEATERS

DRAIN PAN HEATER

GRN

TERMINAL BLOCK INSIDE UNIT

DANFOSS CONTROL KP-73

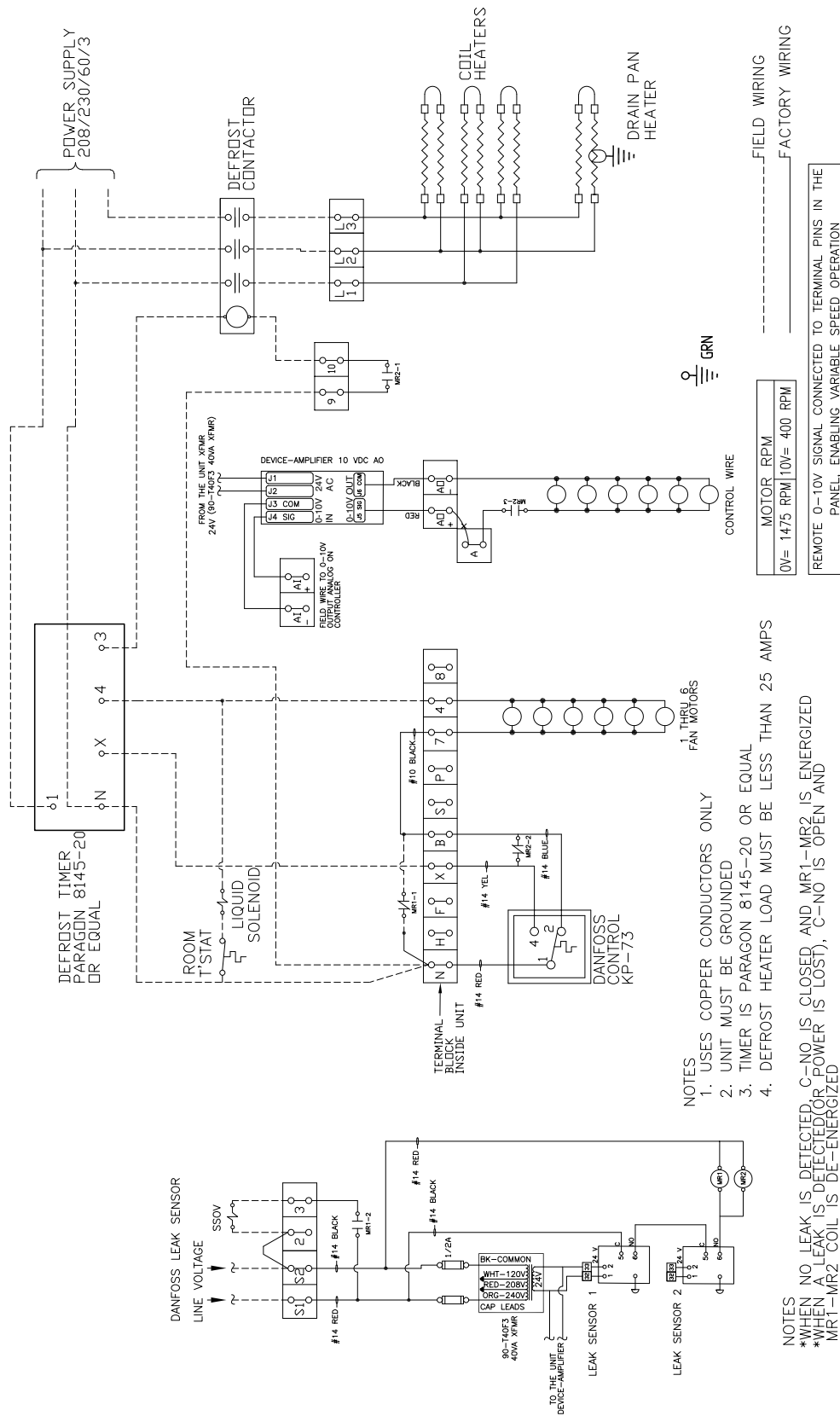
CONTROL WIRE

REMOTE 0-10V SIGNAL CONNECTED TO TERMINAL PINS IN THE PANEL, ENABLING VARIABLE SPEED OPERATION

NOTES

1. USES COPPER CONDUCTORS ONLY
2. UNIT MUST BE GROUNDED
3. TIMER IS PARAGON 8145-20 OR EQUAL
4. DEFROST HEATER LOAD MUST BE LESS THAN 25 AMPS

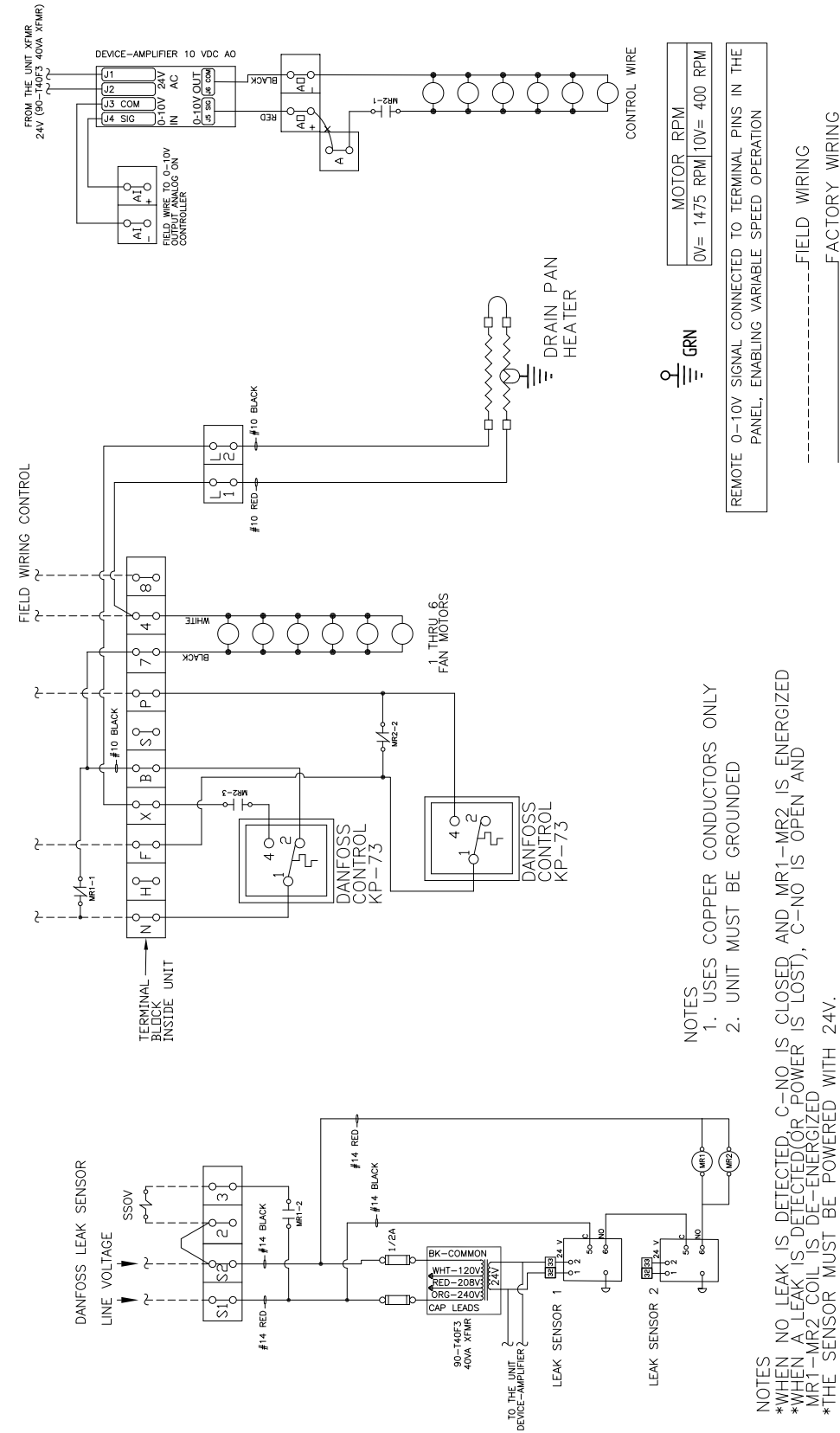
Electric Defrost Wiring Diagram (with 3-phase heaters)



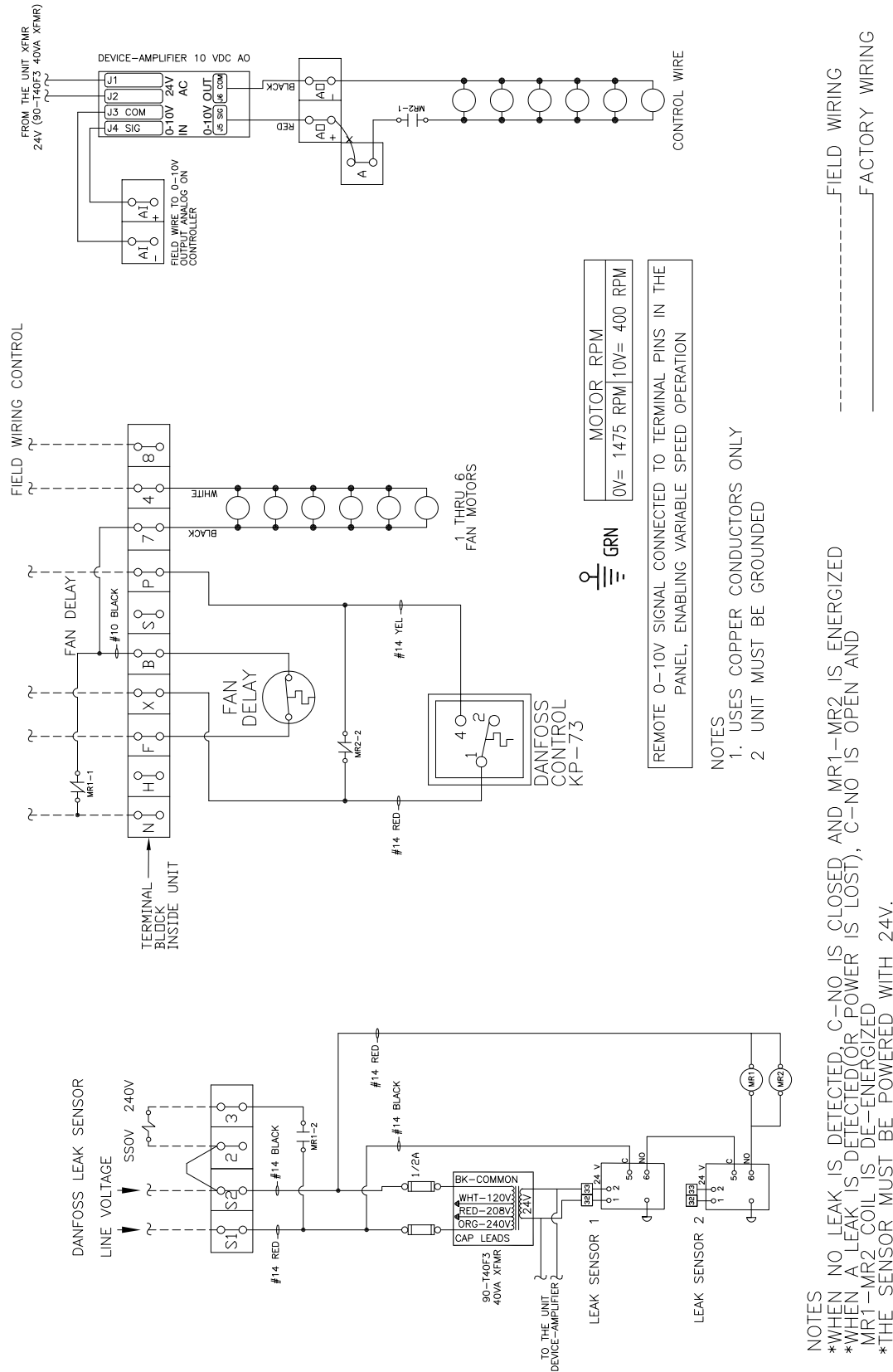
KR-A2L Series

Wiring Diagrams

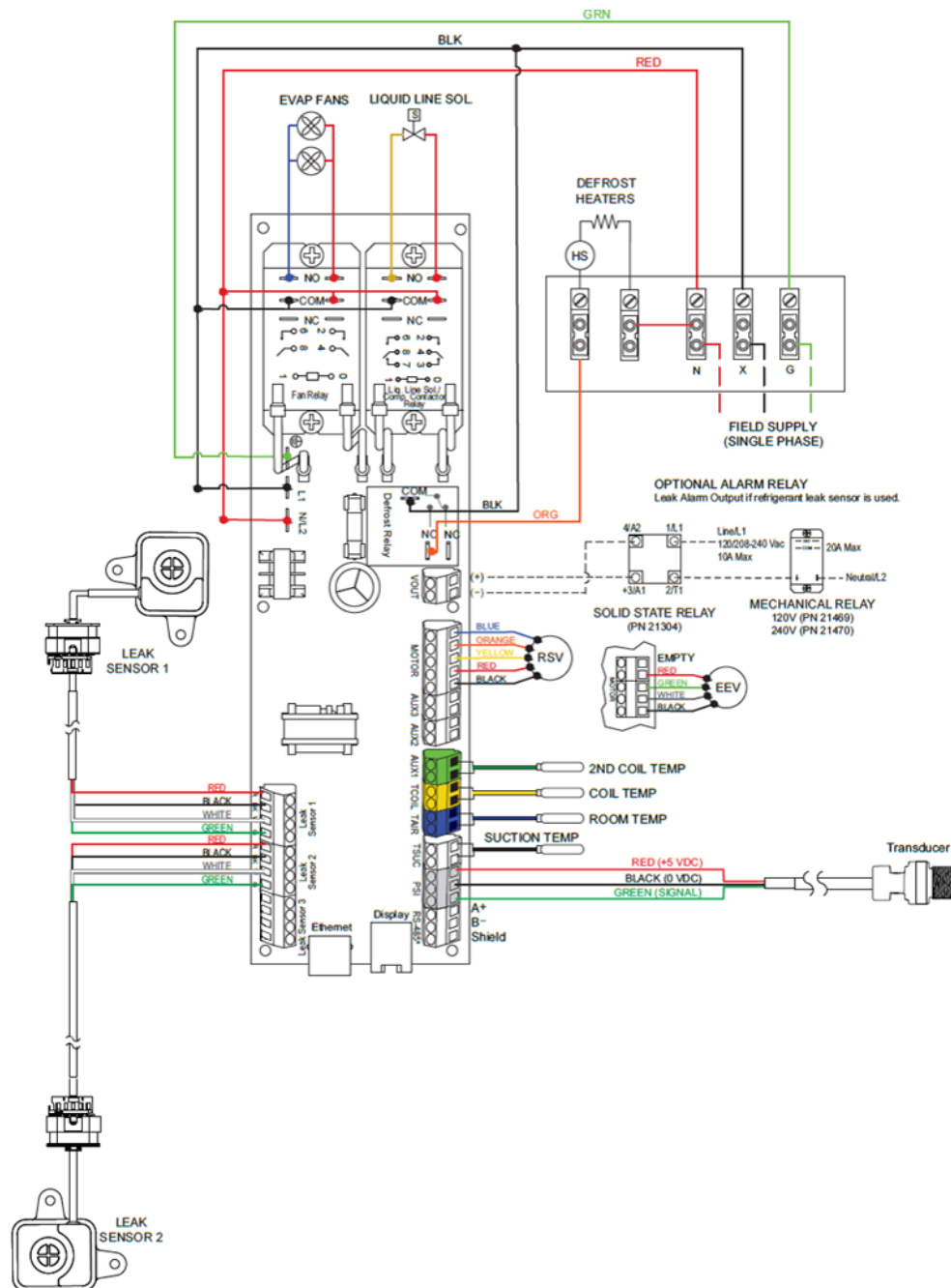
Gas Defrost Wiring Diagram ('H' or 'P' options)



Gas Defrost Wiring Diagram ('G' or 'K' options)



Sensata/KE2 Sensor System





3231696 Revision History

Revision A: (October 2025) Initial release



Scan the QR code on your mobile device to access additional product information or order parts using your unit's serial number.

Parts may also be ordered at:

parts.husmann.com

Call toll free: 1.855.487.7778

We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.