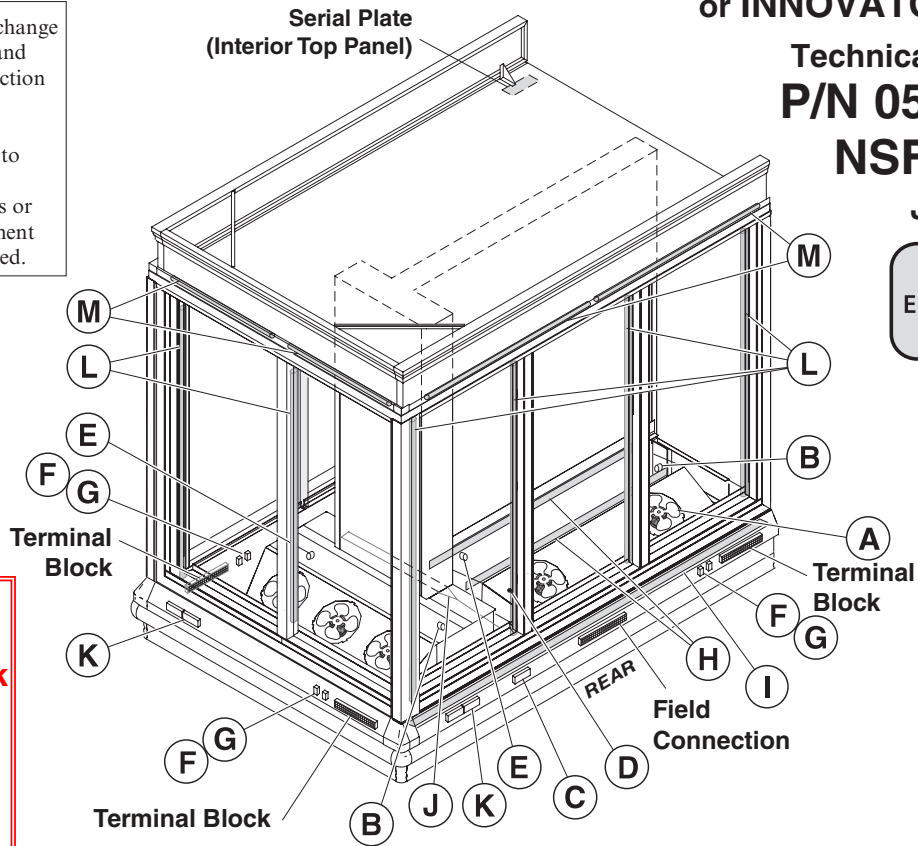


We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.



WARNING
Terminal block
NOT for
case-to-case
wire
connection!

Item	Part #	Description	Wiring Item #	Item	Part #	Qty	Description	Wiring Item #
FAN ASSEMBLIES, AND THERMOSTATS				HEATERS				
A.	12W Standard Energy Efficient Fan Assembly	(1)	H.	Electric Defrost Heater			(8)	
	0477655 Fan Motor, Evaporator (MO.4410546)			3015372 (2) Front (208V) (HE.4850346)				
	0461805 Fan Blade (FB.4780446)			3015376 (2) Rear (208V) (HE.4850358)				
B.	0474033 Standard Non-adjustable Defrost Thermostat (CT.4440726)	(2)		0444685 (2) End (208V) (HE.4850502)				
C.	Optional Adjustable Refrigeration Thermostat	(3)	I.	Drain Pan Heater (120V)			(9)	
D.	0344662 Defrost Limit Thermostat (CT.4440261)	(4)	J	Flue Reheater				
E.	0461814 Relay Control Thermostat or Fan and Anti-sweat Heater Thermostat (CT.4481296) (KG Only)	(5)		0444712 (120V)(HE.4850573)			(10)	
RELAYS				LED FIXTURES AND POWER SUPPLY				
F.	0342598 Control Relay (120V) (RL.4480238)	(6)	K.	0499399 Power Supply (EP.4481668)			(11)	
G.	0342599 Fan Control Relay (208V) Electrical Defrost (RL.4480237)	(7)	L.	Door Lamp, LED				
	0342598 (120V) KoolGas Defrost (RL.4480238)			050908300 4100K Center (BU.4441330)			(12)	
				050908400 4100K End (BU.4441331)			(13)	
				<i>(Note: A complete list of vertical LED replacement lamps can be found at Hussmann.com/TechnicalInfoAndParts)</i>				
			M.	Facade Lamp, LED			(14)	
				050919200 2900K 29.5 In. Length (BU.4441411)				
				050919300 2900K 30.5 In. Length (BU.4441412)				

Refer to INNOVATOR REACH-IN GLASS DOOR INSTALLATION AND SERVICE manual, PIN 0425683, for Innovator, Innovator II and Innovator III door and frame replacement parts.

Data sheet-Reach-in RLNIE

Note: Revision J: Updated wiring diagrams on pages 8 thru 13.

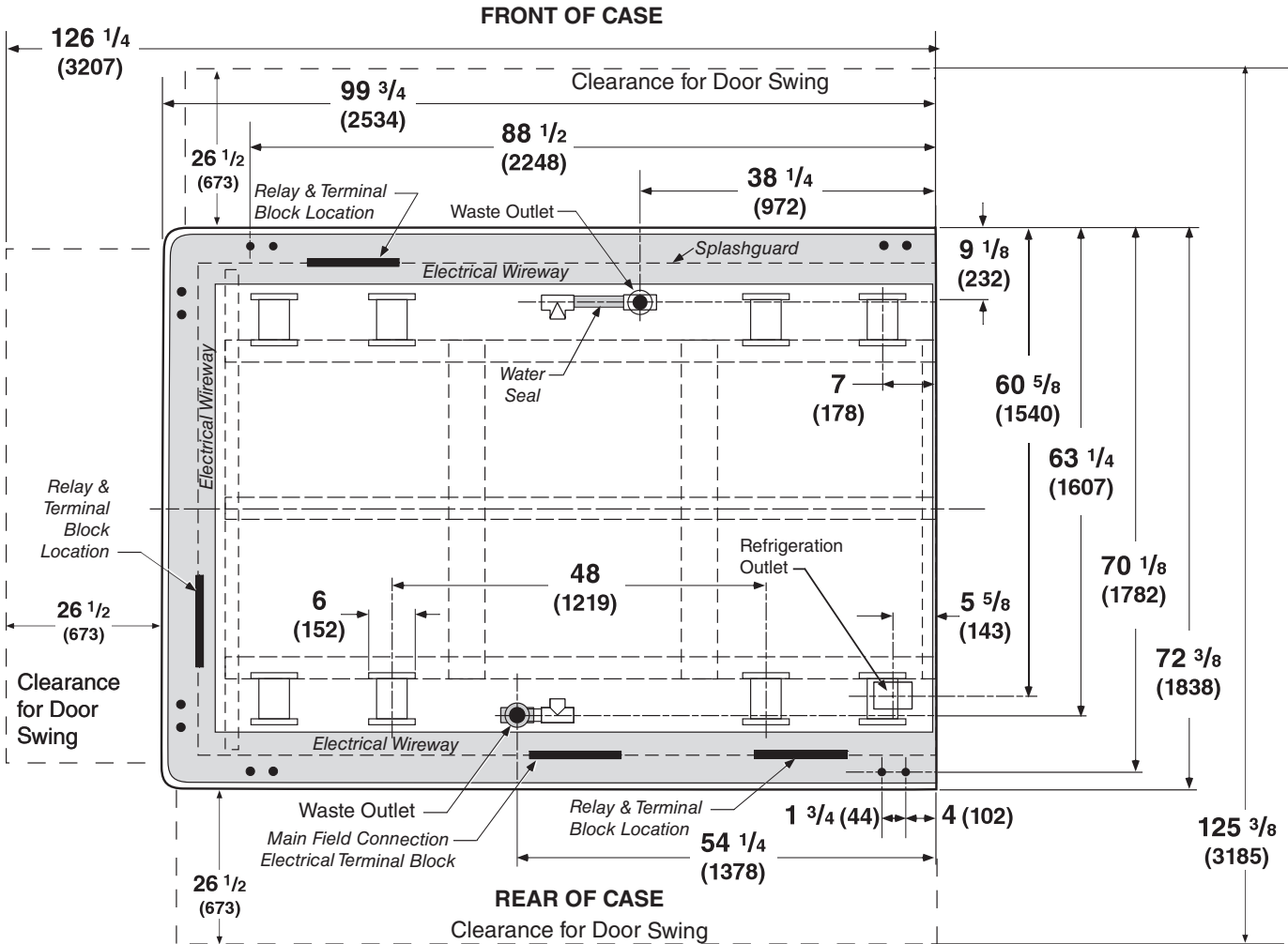
**Engineering
Plan Views**

**LifeLine Premier
RLNIE
Plan View
05-2010**

PHYSICAL DATA	
Merchandiser Drip Pipe (in.)	1 1/4
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	5/8

**Reach-In
Narrow Island
Unitized End**





Dimensions shown as inches and (mm).



Unitized Island End merchandiser is shown above. Neither Bump Out nor Dry Goods available on island end models. Refer to chart on Page 3 for detailed dimensional information.

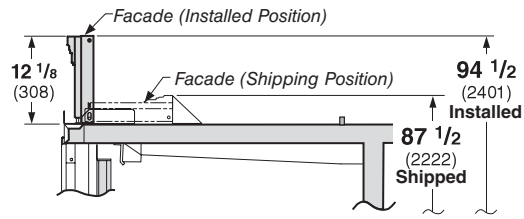
**Plan View Dimensions for
LifeLine Premier Options**

LifeLine Premier RLNIE
With Innovator Doors or Innovator III Doors
Low Temperature

	RLNIE
General	
(A) Merchandiser Length	99 3/4 (2534)
<i>**NOTE: Each solid end adds approximately 2 3/8 in (60 mm) to length of line up; each partition add approximately 2 3/4 in (70 mm); case to case joints can add approximately 1/8 in (3 mm) for gasket material.</i>	
Maximum O/S dimension of merchandiser back to front ***	72 3/8 (1838)
<i>*** Includes bumper. Add 53 in. (1346 mm) for door swing.</i>	
Width of skid rail	3 3/4 (95)
Width of Bottom Front Support	6 (152)
Stub-up area between front support and splashguard	9 (229)
Electrical Service* 	
(B) RH end of merchandiser to the center of nearest knockout	4 (102)
RH end of merchandiser to the center of LH knockout	88 1/2 (2248)
<i>* NOTE: Electrical Field Wiring Connection Point is at terminal.</i>	
Waste Outlet 	
(C) Right end of merchandiser to center of waste outlet	38 1/4 (972)
RH end of merchandiser to center of waste outlet in front of case	54 1/4 (1378)
Back O/S of merchandiser to center of waste outlet	63 1/4 (1607)
Water Seal 	
Edge of water seal to center of waste outlet	13 (330)
Schedule 40 diameter of drip piping	1 1/4 (32)
<i>Field installed water seal outlets, tees, and connectors are shipped with case.</i>	
Refrigeration Outlet 	
(D) RH end of merchandiser to center of RH refrigeration outlet	5 5/8 (143)
Back O/S of merchandiser to center of refrigeration outlet	60 5/8 (1540)
Outside bottom front supports from end of merchandiser	7 (178)
Center bottom front support from Centerline	48 (1219)

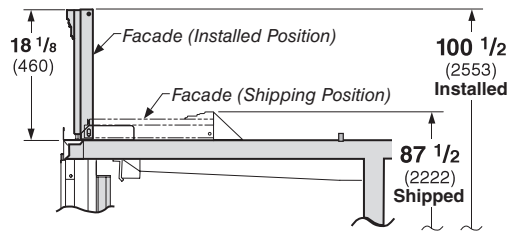
LifeLine Premier RLNIE

With Innovator Doors or Innovator III Doors
Low Temperature

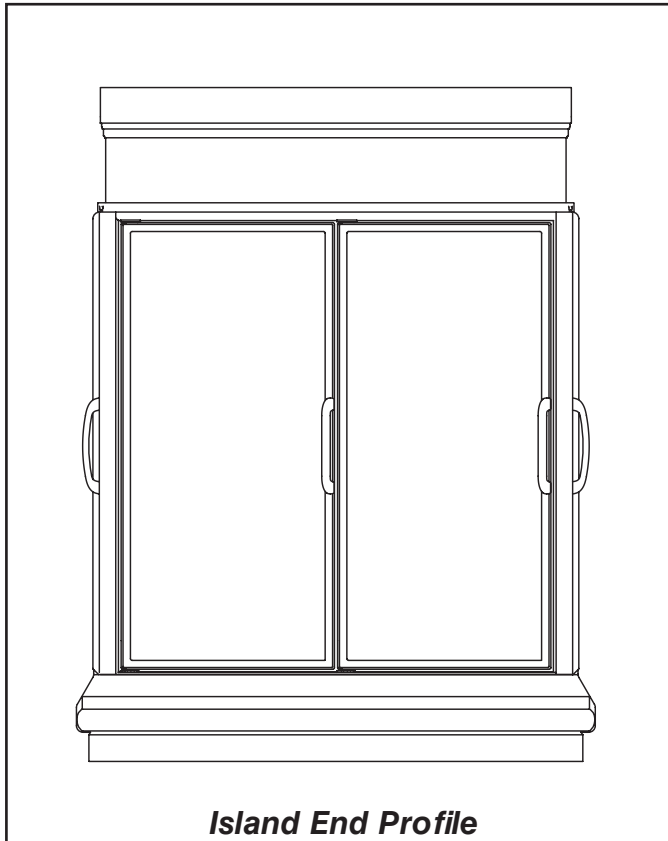


12 in. Straight Facade

Facade Options in Cross Section (Arched Facade Not Available)



18 in. Straight Facade



Island End Profile

LifeLine Premier Reach-in Narrow Island, End and Center Unitized



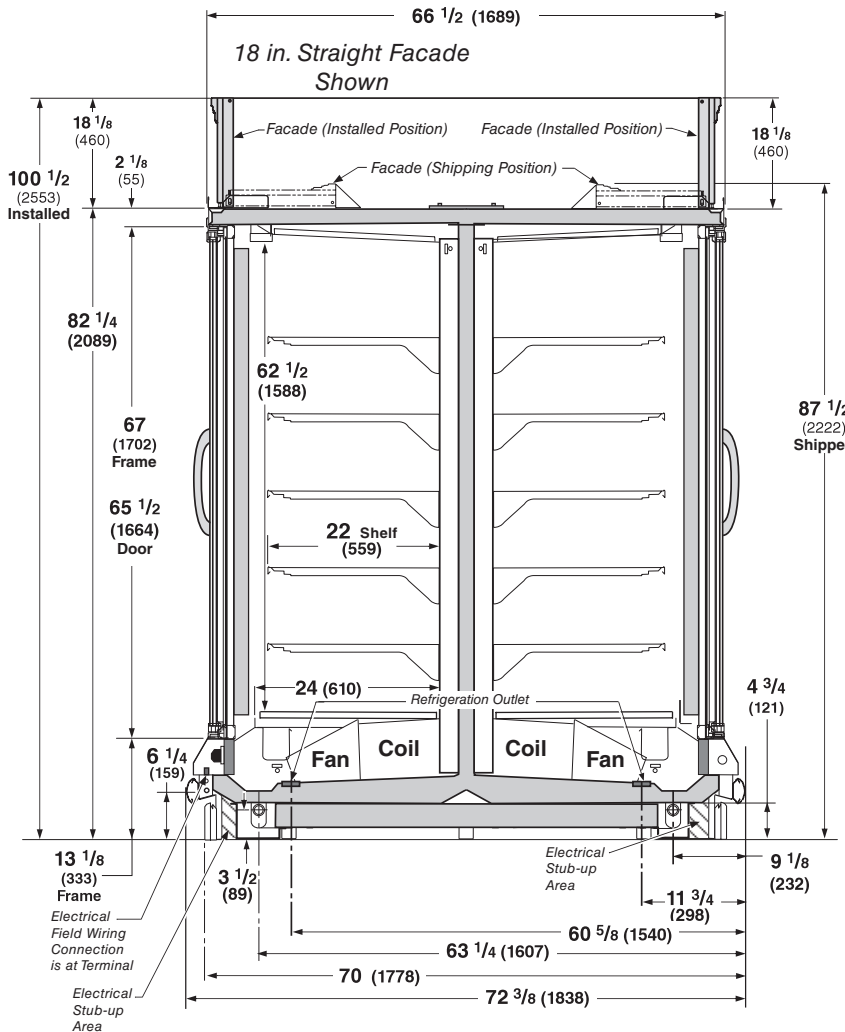
Hussmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2017 energy efficiency standards.

Standard Reach-in configuration consists of Innovator I doors, energy efficient fan motors, and EcoShine II LED vertical lighting.

LifeLine Premier RLNIE

Dimensions shown as inches and (mm).

See Page 4 for alternate facade heights.



Estimated Charge ***

RLNIE 5.4 lb 86 oz 2.4 kg

***This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately 0.5 lb (8 oz / 0.2 kg).

NSF Certification

This merchandiser model is manufactured to meet NSF/ANSI (National Sanitation Foundation) Standard #7 requirements for construction, materials & cleanability.

LifeLine Premier RLNIE

With Innovator Doors or Innovator III Doors
Low Temperature

REFRIGERATION DATA§

Note: This data is based on store temperature and humidity that does not exceed 75°F and 55% R.H.

	FF	IC	AHRI Rating*
Discharge Air (°F)	0	-11	-2
Evaporator (°F)	-11	-19	-7
Unit Sizing (°F)	-14	-22	-10

*With door A/S controller.

Btu/hr/case	FF	IC	AHRI Rating
-------------	----	----	-------------

INNOVATOR	FF	IC	AHRI Rating
Parallel	7,125	7,350	6,905
Conventional	7,275	7,500	7,050

INNOVATOR III	FF	IC	AHRI Rating
Parallel		6,745	7,250
Conventional		6,890	7,400

§ Average evaporator temperature shown. Use dew point for high glide refrigerants for unit sizing. Care should be taken to use the dew point in PT tables for measuring and adjusting superheat. Adjust evaporator pressure as needed to maintain discharge air temperature shown.

DEFROST DATA

	FF	IC
Frequency (hr)	24	24
Defrost Water (lb/day)	8.6	8.6

(± 15% based on case configuration and product loading).

ELECTRIC	FF	IC
Temp Term (°F)	48	48
Failsafe (minutes)	45	45

GAS	FF	IC
Duration (minutes)	20	20

OFFTIME Not Recommended

Standard Defrost Thermostat

Close on rise: close 48°F — open 33°F

CONVENTIONAL CONTROLS

Low Pressure Backup Control	FF	IC
C1/CO (Temp °F)**	-18/-34	-26/-45
Indoor Unit Only, Pressure Defrost Termination (Temp °F)**		

Not Recommended

**Use a Temperature Pressure Chart to determine PSIG conversions.

LifeLine Premier RLNIE

With Innovator Doors or Innovator III Doors
Low Temperature

Hussmann recommends against frame heater cycling with *Innovator* doors or *Innovator III* doors to prevent door seals from freezing to the frames and tearing.

Electrical Data

Number of Fans – 12W

RLNIE

7

Amperes

Watts

Evaporator Fans

120V 50/60Hz Innovator

2.10

126

220V 50/60Hz Export Innovator

2.31

126

Door Anti-sweat Heaters (on fan circuit)

120V 50/60Hz Innovator

5.00

728

120V 50/60Hz Innovator III

3.44

416

220V 50/60Hz Export Innovator

3.36

744

220V 50/60Hz Export Innovator III

NA

NA

Frame Anti-sweat Heaters (on fan circuit)

120V 50/60Hz Innovator

3.14

376

220V 50/60Hz Export Innovator

1.71

344

Flue Heater (on fan circuit)

120V 50/60Hz

1.4

168

220V 50/60Hz

0.9

200

Minimum Circuit Ampacity

120V 50/60Hz Innovator

13.0

120V 50/60Hz Innovator III

10.3

220V 50/60Hz Export Innovator

7.2

220V 50/60Hz Export Innovator III

3.9

Maximum Over Current Protection 120V

20

Maximum Over Current Protection 220V

15

Defrost

Drain Heaters (120V 60Hz)

1.89

225

Export (230V 50Hz)

1.02

252

Electric Defrost (208V 3 Phase) per phase value

11.70

2426

Standard Vertical LED Lighting

Hussmann EcoShine II™ - A (120V)

1.24

148.4

Hussmann EcoShine II™ - A (220V Export)

0.67

148.4

Optional Vertical LED Lighting

Hussmann EcoShine II™ - B (120V)

1.40

167.7

Hussmann EcoShine II™ - B (220V Export)

0.76

167.7

Product Data

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Case)	148.52 ft ³ /Case (4.21 m ³ /Case)
<i>AHRI Total Display Area</i> ² (Sq Ft/Case)	104.32 ft ² /Case (9.68 m ² /Case)
<i>Shelf Area</i> ³ (Sq Ft/Case)	185.65 ft ² /Case (17.25 m ² /Case)

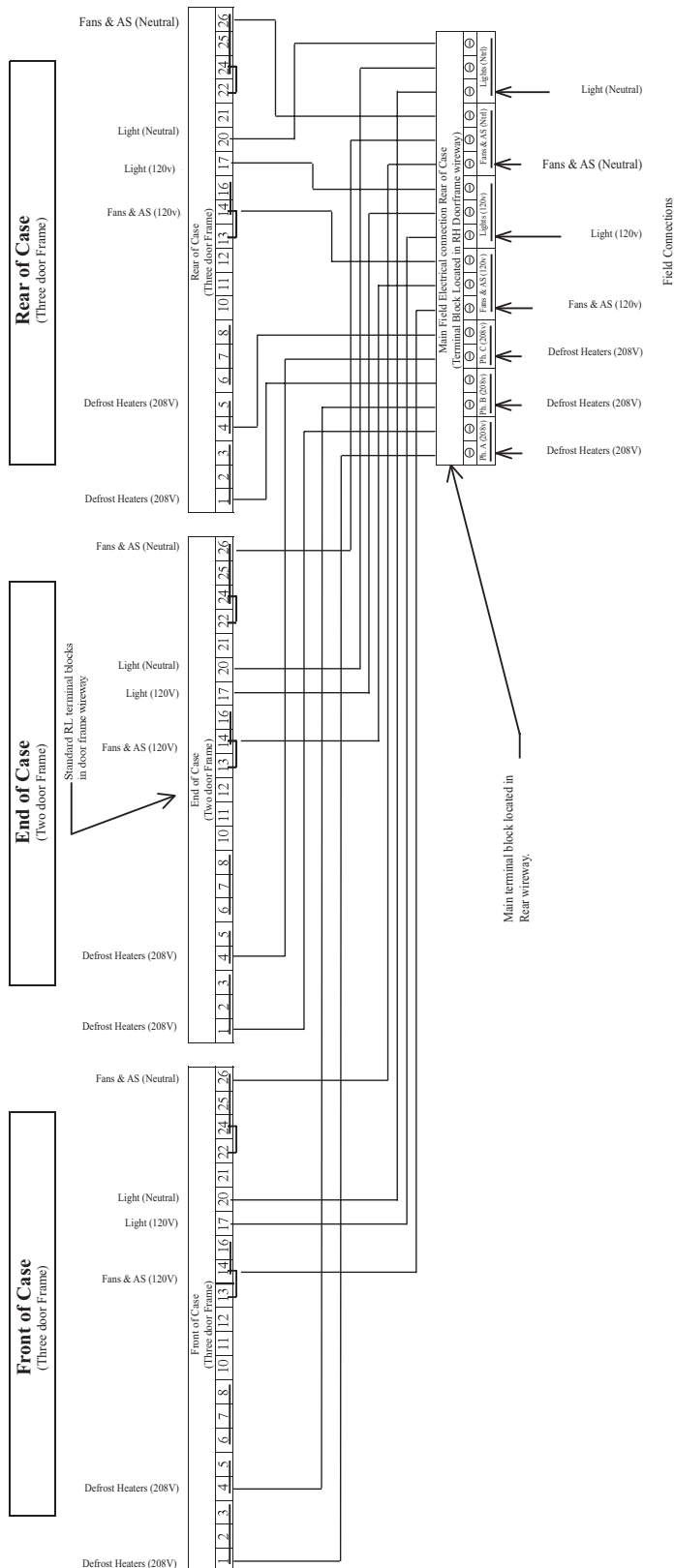
- ¹ AHRI Refrigerated Volume less shelving and other unusable space: Refrigerated Volume/Unit of Length, ft³/ft [m³/m]
- ² Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²]/Unit of Length, ft [m]
- ³ Shelf surface area is composed of bottom deck plus standard shelf complement, as shown in the Hussmann *Product Reference Guide*. The standard shelf complement for this model is (5) rows of 22-inch shelves.

ESTIMATED SHIPPING WEIGHT ⁵	
Case	<i>RLNIE</i>
lb (kg)	1980 (900)
⁵ Actual weights will vary according to optional kits included.	

LifeLine Premier RLNIE

With Innovator Doors or Innovator III Doors
Low Temperature

RLNIE Wiring Diagram for Electric Defrost



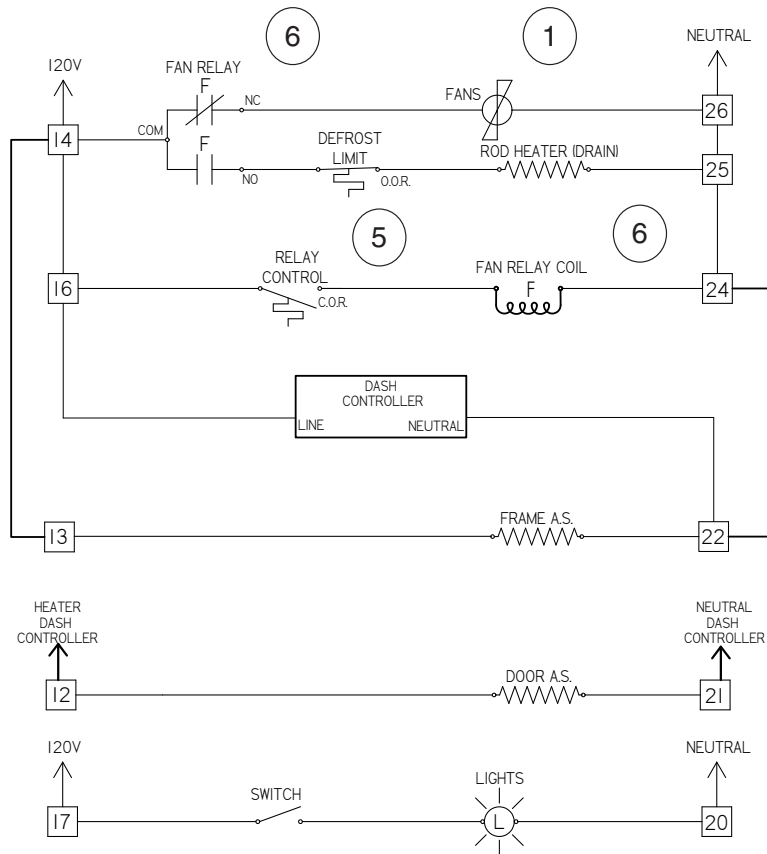
Electric Defrost Sequence - Low Temperature

1. Power from the defrost contactor energizes Defrost Heaters and 208V Evaporator Fan Relay Coil (7). Relay Contacts open the fan circuit and energizes the Drain Pan Heater.
2. If the Defrost Heater raises internal air temperature above 90°F, the Defrost Limit Thermostat (4) will open.
3. When Defrost Termination Thermostat ends defrost period, the defrost contactor opens the Defrost Heater and Evaporator Fan Relay Coil Circuits. The Drain Pan Heater goes off and fans are on.
4. Standard low temperature Reach In cases with Innovator I doors are shipped with the DASH controller for door anti-sweat heater control installed. Do not connect the DASH controller input to a centralized anti-sweat system. It must be connected to a continuous 120V circuit for proper operation.
5. If the case is connected to a centralized anti-sweat controller that meets DOE compliance requirements, the DASH controller is not installed on the case. Feed the 120V controller output into terminal #12.
6. Options may be installed that have additional or replacement wiring diagrams.
7. Reach In cases with Innovator III doors do not have the DASH controller.

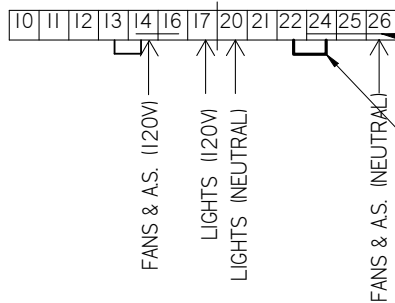
Wiring Diagram is per side — two circuits required per case.

Fan and Heater Circuits - Gas Defrost (optional) RLNIE Front and Rear Compartment

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS
 R = Red P = Purple 2P = Purple (2 Bands) DB = Dark Blue BK = Black
 LB = Light Blue BR = Brown Y = Yellow OR = Orange W = White
THESE ARE MARKER COLORS (WIRE MAY VARY.)



Refer to *Innovator Reach-In Glass Door, Installation and Service manual*, P/N 0425683, for *Innovator* door and frame replacement parts.



THE HEAVY LINES DRAWN INSIDE THE TERMINAL BLOCKS REPRESENT PERMANENT INTERNAL JUMPERS.

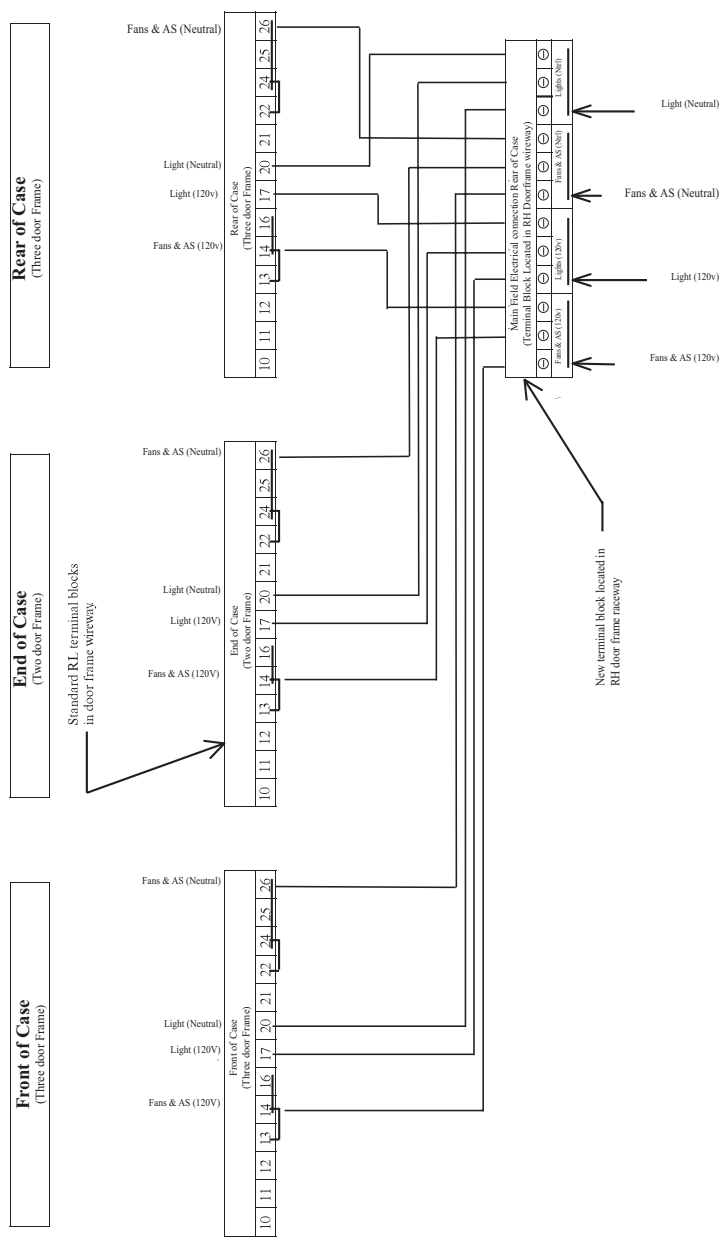
THE HEAVY LINES DRAWN OUTSIDE THE TERMINAL BLOCKS REPRESENT REMOVABLE EXTERNAL JUMPERS.

3024767_C

Front and Rear Compartments Connect to Main Terminal Block at Rear (see Page 13).

Wiring Diagram is per side — two circuits required per case.

RLNIE Wiring Diagram for Gas Defrost



Gas Defrost Sequence - Low Temperature

1. Defrost vapor enters evaporator causing a rise in temperature. At about 35°F the Control Relay Thermostat (5) closes the Fan Relay Coil (7) and Control Relay Coil (6) circuit. The Coil opens the Fan, Door Heater, and Frame Heater circuits, while energizing the Drain Pan Heater (9).
2. If the Drain Pan Heater (9) raises internal air temperature above 90°F, the Heater Limit Thermostat (4) will open.
3. When the defrost timer ends a defrost period, the evaporator temperature will start to fall. At about 20°F, the Control Relay Thermostat will open, de-energizing the Control Relay Coil and Fan Relay Coil (7). Control and Fan Relay's will open the Drain Pan Heater circuits, and will close the Fan, Door Heater, and Frame Heater circuits.
4. Standard low temperature Reach In cases with Innovator I doors are shipped with the DASH controller for door anti-sweat heater control installed. Do not connect the DASH controller input to a centralized anti-sweat system. It must be connected to a continuous 120V circuit for proper operation.
5. If the case is connected to a centralized anti-sweat controller that meets DOE compliance requirements, the DASH controller is not installed on the case. Feed the 120V controller output into terminal #12.
6. Options may be installed that have additional or replacement wiring diagrams.
7. Reach In cases with Innovator III doors do not have the DASH controller.