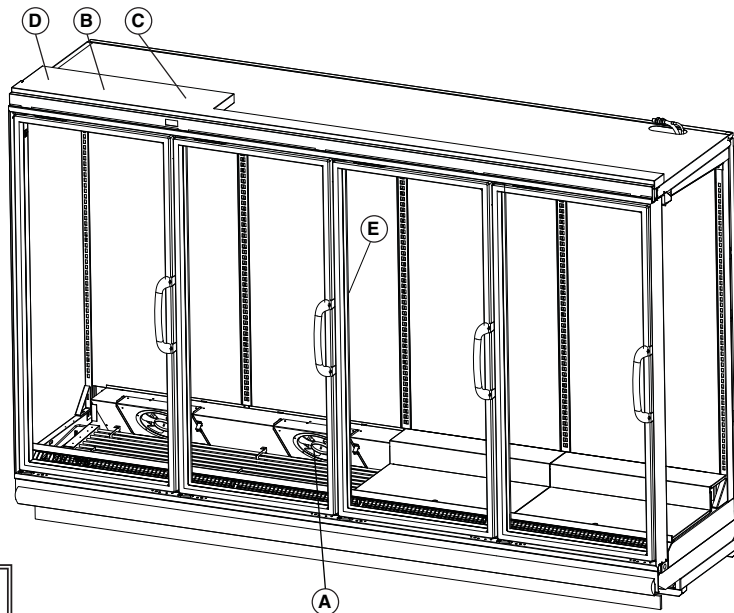


We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.



DOE 2017
Energy Efficiency
Compliant

Warning:
Terminal block
NOT for
case-to-case
wire connection!

Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
FAN ASSEMBLIES AND THERMOSTATS				LED FIXTURES AND POWER SUPPLY			
A.	4W Standard Energy Efficient	Fan Assembly	(1)	D.	0547639	LED Power Supply	
	0530147	Fan Motor, Evaporator		E.		LED Fixture	
	0557935	Fan Blade				<i>Replace with like fixtures</i>	
B.		Optional Adjustable Refrigeration Thermostat	(2)				

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

Note: Revision G: April 2017. Updated LED energy values. Other changes marked with a bar, circle or underline.

Data sheet-Reach in RMNS

Engineering Plan Views

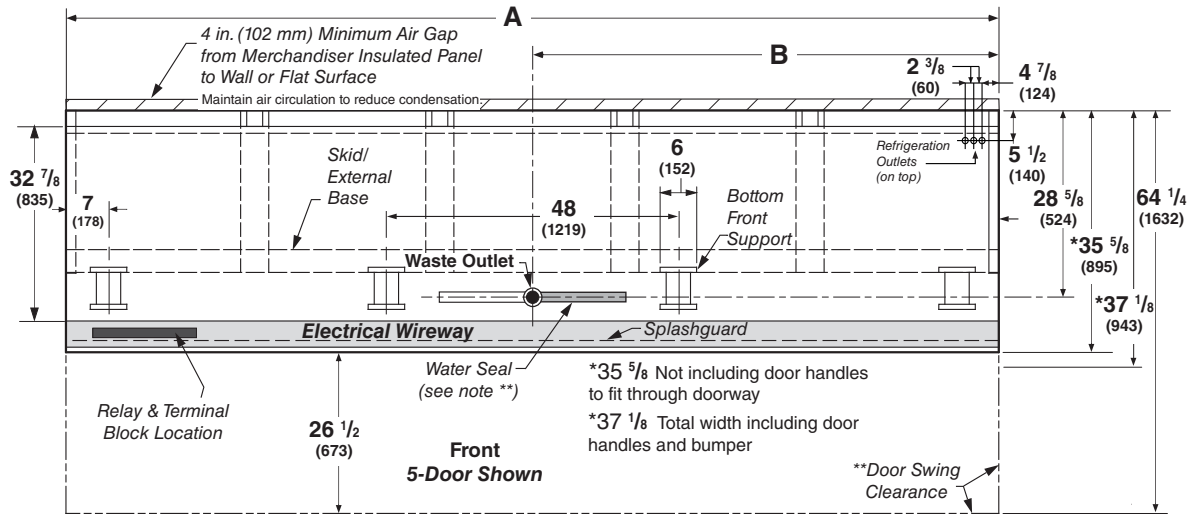
RLNS - RMNS Plan View

PHYSICAL DATA

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

Narrow Reach-In 2, 3, 4 & 5 Door

Dimensions shown as in. & (mm).



	2 Dr	3 Dr	4 Dr	5 Dr
General				
(A) Case Length (without ends or partitions)	62 (1575)	92 1/2 (2350)	122 7/8 (3121)	153 3/8 (3896)
<i>(Each solid end adds approximately 2 3/8 in (60 mm) to length of line up; each partition adds 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 case back to front <i>(Includes bumper)</i>	37 1/8 (943)	37 1/8 (943)	37 1/8 (943)	37 1/8 (943)
Back of case to rear of splashguard	32 7/8 (835)	32 7/8 (835)	32 7/8 (835)	32 7/8 (835)
Width of Skidrail	3 3/8 (86)	3 3/8 (86)	3 3/8 (86)	3 3/8 (86)
Width of Bottom Front Support	6 (152)	6 (152)	6 (152)	6 (152)
Stub-up area between front skidrail / splashguard	6 3/8 (1000)	6 3/8 (1000)	6 3/8 (1000)	6 3/8 (1000)
Electrical Service				
LH end of case to the center of nearest knockout	5 3/4 (146)	5 3/4 (146)	5 3/4 (146)	5 3/4 (146)
LH end of case to the center of RH knockout	31 1/4 (794)	31 1/4 (794)	31 1/4 (794)	31 1/4 (794)
Back O/S of case to center of knockout	21 1/2 (546)	21 1/2 (546)	21 1/2 (546)	21 1/2 (546)
<i>*NOTE: Electrical Field Wiring Connection Point is at terminal.</i>				
Waste Outlet				
(B) Right end of case to center of waste outlet	23 3/4 (603)	54 1/4 (1378)	46 1/4 (1175)	76 5/8 (1946)
Back O/S of case to center of waste outlet	28 5/8 (727)	28 5/8 (727)	28 5/8 (727)	28 5/8 (727)
Water Seal				
Edge of water seal to center of waste outlet	13 (330)	13 (330)	13 (330)	13 (330)
Outside diameter of drip piping (Schedule 40 PVC drip pipe)	1 (25)	1 (25)	1 (25)	1 (25)
<i>** NOTE: Field installed water seal outlets, tees, and connectors are shipped with case</i>				
Refrigeration Outlet				
RH end of case to center RH refrigeration outlet	8 5/8 (219)	8 5/8 (219)	8 5/8 (219)	8 5/8 (219)
Back O/S of case to center of refrigeration outlet	5 (127)	5 (127)	5 (127)	5 (127)
Outside bottom front supports from end of case	7 (178)	7 (178)	7 (178)	7 (178)
Center bottom front support from Centerline	24 (610)	24 (610)	24 (610)	24 (610)
<i>Distance between Center and Outside supports will vary.</i>				

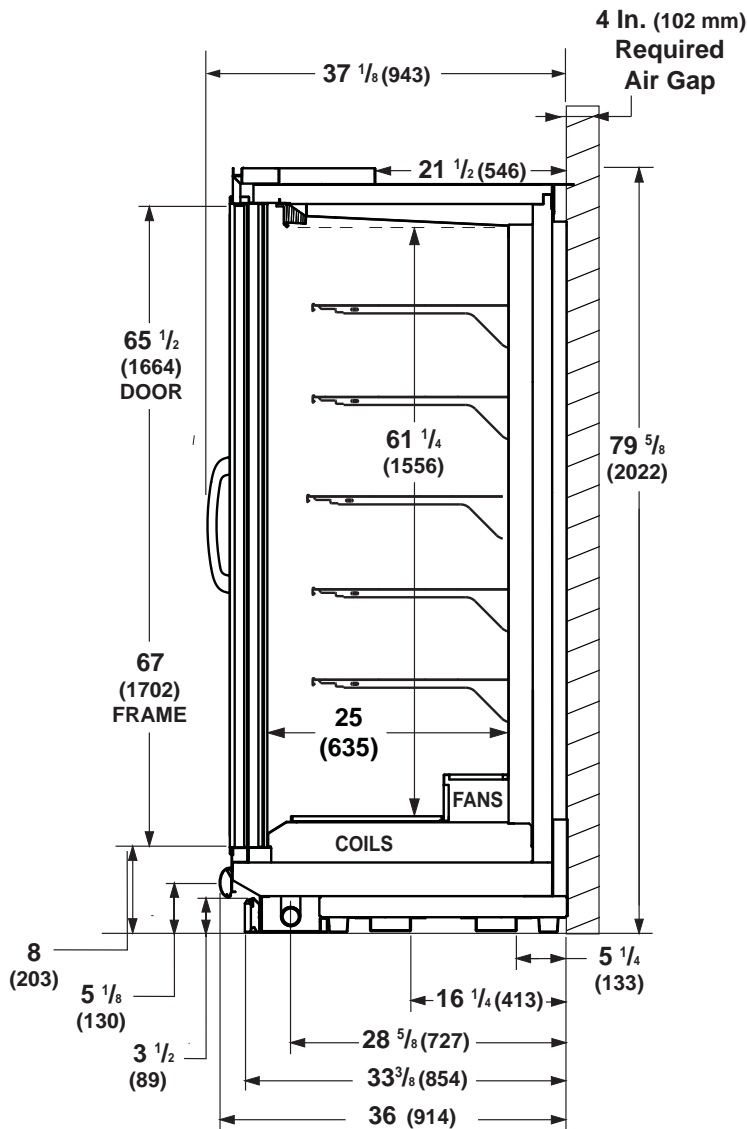
Narrow Reach-in 2, 3, 4 and 5 Door Models
 INNOVATOR Doors Standard



All RL and RM models meet or surpass the requirements of the DOE 2017 energy efficiency standards.

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

Dimensions shown as in. & (mm).



NSF Certification

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

RMNS

With Innovator Doors
 Dairy, Delicatessen, Beverages

REFRIGERATION DATA§

Note: This data is based on store temperature and humidity levels that do not exceed NSF guidelines.

MEDIUM TEMP

Discharge Air °F	36
Average Evaporator* °F	30
Unit Sizing °F	28

BTU/HR/DOOR Temp (°F) /R.H.	NSF TYPE I 75°/55%	NSF TYPE II 80°/55%
<i>INNOVATOR</i>		
Parallel	415	470
Conventional	430	490

§ 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

Frequency (hr)	24
Defrost Water (lb/Dr/day)	0.36
(± 15% based on case configuration and product loading.)	

<i>ELECTRIC</i>	NA
Temp Term (°F)	NA
Failsafe (minutes)	NA

<i>GAS</i>	Not Recommended
<i>OFFTIME</i>	30 minutes

CONVENTIONAL CONTROLS

Low Pressure Backup Control	
CI/CO (Temp °F)*	+20°/+10°
Indoor Unit Only, Pressure Defrost Termination (Temp °F)**	

Not Recommended

*Use a Temperature Pressure Chart to determine PSIG conversions.

PHYSICAL DATA

Estimated Charge **			
2Dr	1.8 lb	29 oz	0.8 kg
3Dr	2.7 lb	43 oz	1.2 kg
4Dr	3.6 lb	57 oz	1.6 kg
5Dr	4.6 lb	73 oz	2.0 kg

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

RMNS

With Innovator Doors

Dairy, Delicatessen, Beverages

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	2Dr 2	3Dr 3	4Dr 4	5Dr 5				
Merchandise	2Dr	Amperes		5Dr	Watts			
		3Dr	4Dr		2Dr	3Dr	4Dr	5Dr
Energy Efficient Evaporator Fan 120V 50/60Hz	0.24	0.36	0.48	0.60	16	24	32	48
Door Anti-sweat Heaters (on fan circuit)		NA						
Frame Anti-sweat Heaters (on fan circuit) 120V 50/60Hz	0.40	0.60	0.80	1.00	47	71	94	118
Minimum Circuit Ampacity 120V 50/60Hz	0.8	1.2	1.5	1.8				
Maximum Over Current Protection 120V	20	20	20	20				
Maximum Over Current Protection 220V	15	15	15	15				
Defrost	NA							
Standard Vertical LED Lighting	2Dr	3Dr	4Dr	5Dr	2Dr	3Dr	4Dr	5Dr
Hussmann EcoShine II™ - A (120V)	0.31	0.46	0.62	0.77	37.1	55.6	74.2	92.7

Product Data

<i>Recommended Usable Cube</i> ¹ (Cu Ft/Dr)	20.95 ft ³ /Dr (.59 m ³ /Dr)
<i>AHRI Total Display Area</i> ² (Sq Ft/Dr)	12.66 ft ² /Dr (1.18 m ² /Dr)
<i>Shelf Area</i> ³ (Sq Ft/Dr)	27.20 ft ² /Dr (2.53 m ² /Dr)

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 ⁴					
Case	2 Dr	3 Dr	4 Dr	5 Dr	Solid End
lb (kg)					(each)
	895 (407)	1122 (510)	1518 (690)	1870 (850)	74 (34)

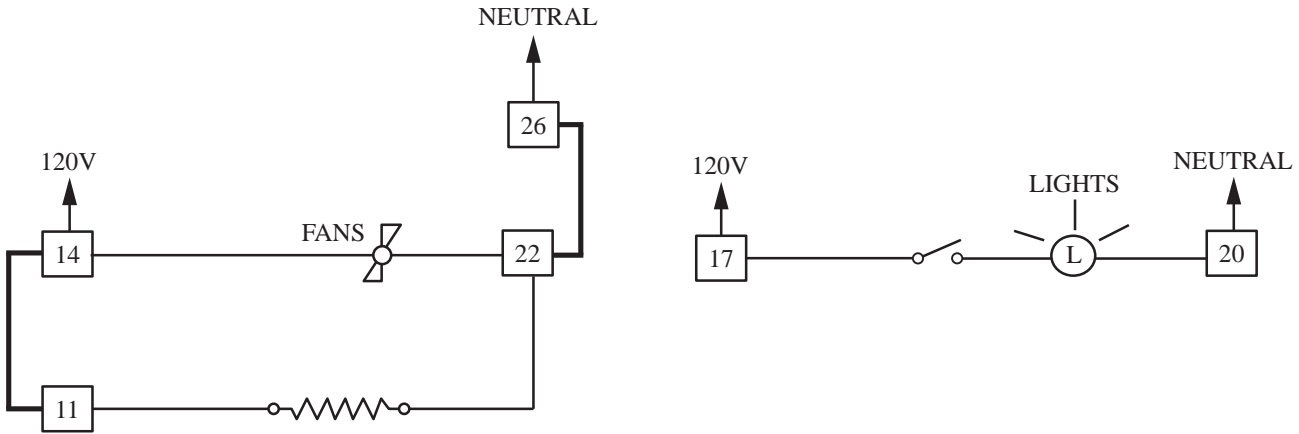
⁴ Actual weights will vary according to optional kits included.

RMNS

With Innovator Doors

Dairy, Delicatessen, Beverages

Fan and Heater Circuits - Offtime Defrost (Standard) Medium Temperature



Terminal Blocks in Raceway

Medium Temperature
with
Offtime Defrost

