



MDN-B1A/S1A

120 V

Beverage / Dairy / Deli /

Meat / Produce

Air-cooled

R-290

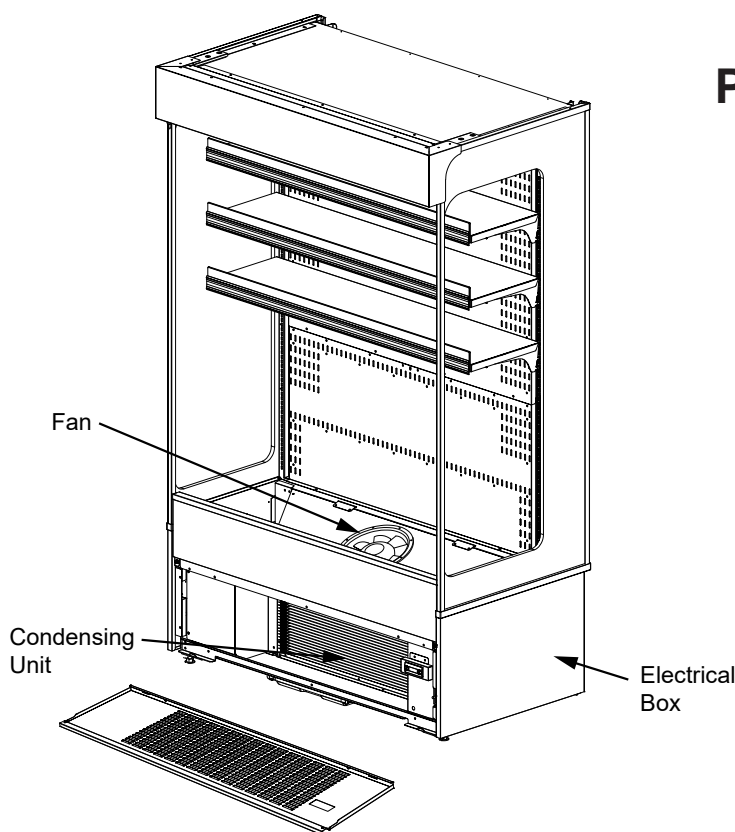
Merchandise Data Sheet

P/N 9FQ6P11008000_D

UL EPH® Certified

June 2023

DOE 2017
Energy Efficiency
Compliant



Portion of parts removed for clarity.

4 foot merchandiser shown above.

This product is certified for NSF Type II ambient applications (80°F / 55% RH).

UL EPH Certification

This merchandiser model is manufactured to meet ANSI/SCC Standards requirements for construction, materials, and cleanliness.

Performance Data	Page 2	Estimated Shipping Weights	Page 5
Product Data (AHRI Statistics)	Page 2	Wiring Diagrams	Page 6
Cross Section	Page 3	QR Code for Parts and Product Information	Page 10
Plan View	Page 4	Revision History	Page 10
Electrical Loads	Page 5		

Data sheet-MDN-B1A/S1A

⚠ 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.

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.

MDN-B1A/S1A

Beverage / Dairy / Deli /
Meat / Produce

Refrigeration Data ^{1**}

		Beverage / Dairy / Deli / Meat / Produce	
		MDN3575B1A/S1A	MDN4775B1A/S1A
Refrigeration Data	Discharge Air °F (°C)	25 to 27 (-4 to -3)	
	Average Evaporator °F (°C)	14 to 10 (-10 to -12)	
	Total Heat of Rejection ²	8538	13562
Condensing Unit	Capacity (Btu/hr) ³	5919	8740
Evaporator Fan Speed	8" Fan Assembly	1320	

Notes:

1. All data based on store temperature and humidity that does not exceed NSF Type 1 ambient conditions of 75°F and 55% relative humidity except where noted.
2. Total Heat of Rejection listed for maximum design conditions, normal operating loads may be lower.
3. Condensing Unit Capacity is calculated at an evaporator temperature of 5°F and a condensing temperature of 113°F.

Defrost Data

Frequency (hours between defrost)	4
Defrost Type	Offtime
Defrost Termination (Temperature °F)	45
Time (minutes)	50

Sound Data

MDN-B1A/S1A	74.1 dB
-------------	---------

Energy Consumption Data ⁴

DEC (kWH/day)

MDN3575B1A/S1A	19.92
MDN4775B1A/S1A	25.1

⁴ Energy values obtained under AHRI 1200.

Refrigerant Data

Refrigerant Type R-290

Charge

MDN3575B1A/S1A	0.26 lb	4.2 oz	.12 kg
MDN4775B1A/S1A ⁵	0.28 lb	4.6 oz	.13 kg

⁵ MDN4775AB1A/S1A has 2 circuits,

Product Data ⁶

	MDN3575B1A/S1A	MDN4775B1A/S1A
Total Display Area (ft ²)	11.3	15.2
Total Display Area (ft ² /ft)	4.0	4.0
Shelf Area (in ²)	2353	3189
Shelf Area (ft ²)	16.3	22.1
Shelf Area (ft ² /ft)	5.8	5.8
AHRI Gross Refrigerated Volume (cu ft ³ /ft)	4.6	4.6
AHRI Gross Refrigerated Volume (cu m/m)	0.4	0.4
Total Display Area (sq m/m)	1.2	1.3
Shelf Area (m ² /m)	1.8	1.8

⁶ Computed using AHRI 1200 standard methodology

Self-Contained, Medium Temperature Multi-Deck
Merchandise, Narrow Depth, Black or Stainless Steel,
Air-cooled, R-290

MDN-B1A/S1A
Beverage / Dairy / Deli /
Meat / Produce

DOE 2017
Energy Efficiency
Compliant

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

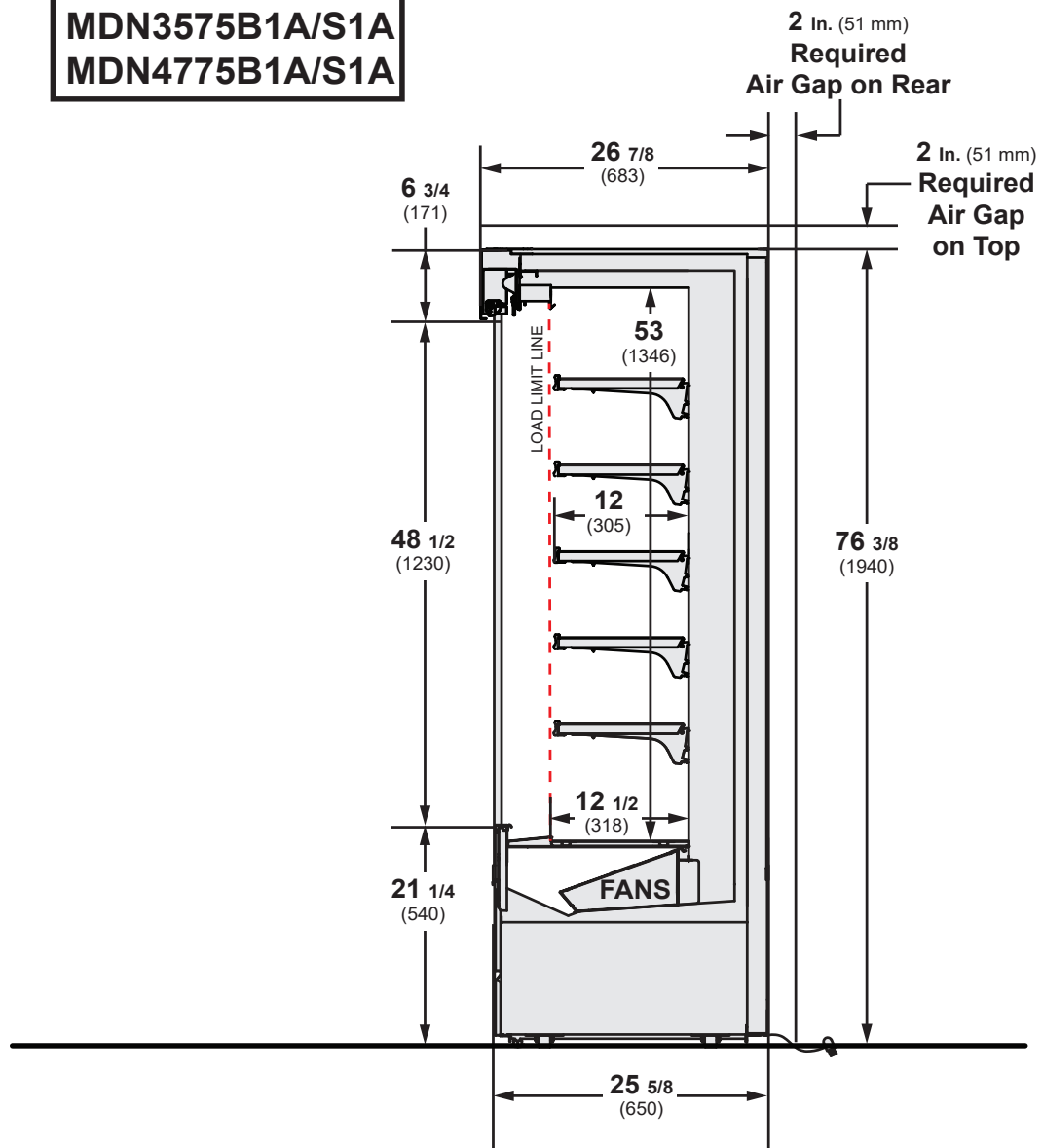
Shelf complement shown as tested, distributed equally between bottom display plan and interior top panel.

MDN B1A/S1A: 5 rows of 12 in. shelves

Dimensions shown as in. and (mm).

**2 inch Required Air Gap on Top and Rear,
No clearance required on sides, 24 inch front**

MDN3575B1A/S1A
MDN4775B1A/S1A



MDN-B1A/S1A

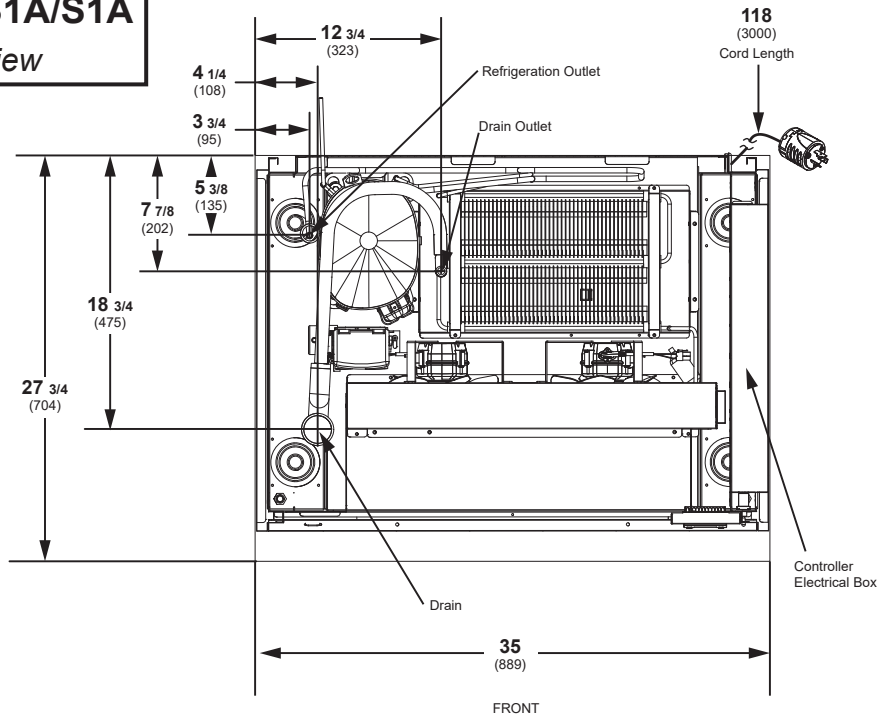
Beverage / Dairy / Deli /
Meat / Produce

Engineering Plan View

Dimensions shown as in. and (mm).

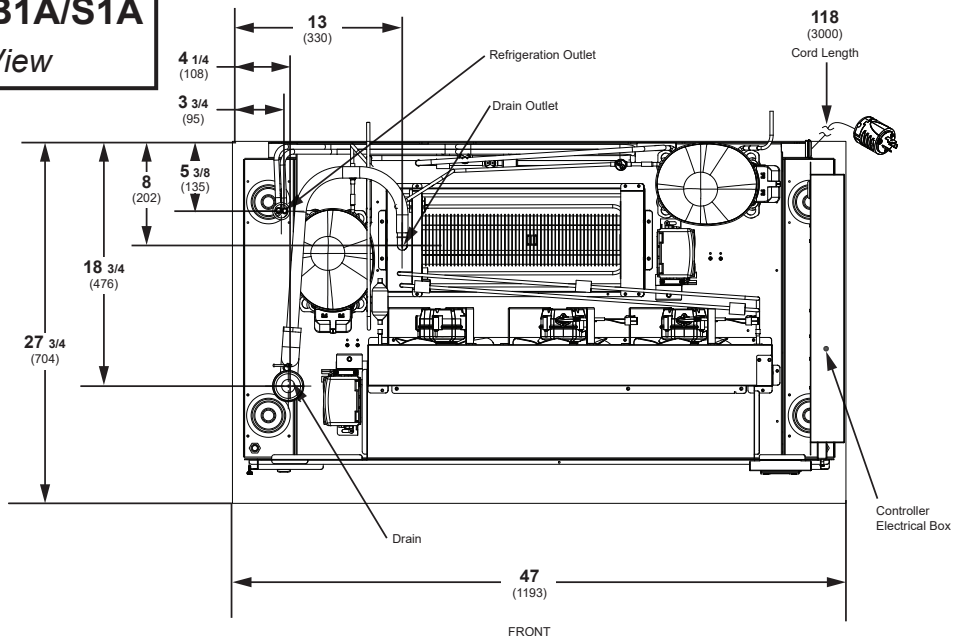
MDN3575B1A/S1A

Plan View



MDN4775B1A/S1A

Plan View



General

(A) Case Length *(includes one pair ends)*

Maximum O/S dimension of case back to front

(B) Interior case length

MDN3575B1A/S1A

35 (889)

27 3/4 (704)

33 3/4 (857)

MDN4775B1A/S1A

47 (1193)

27 3/4 (704)

45 1/2 (1156)

Electrical Data

NOTE: These values below are rated values for individual components and should not be added together to determine total merchandiser electrical load.

Number of Evaporator Fans	MDN-B1A/S1A
8-in.	1

Evaporator Fans	Input (Amperes)	Output (Watts)
120V / 1ph / 60Hz Energy Efficient	0.1-.19	13

** Amperes/watts are at max values*

	MDN3575B1A/S1A	MDN4775BA1/S1A
Merchandiser Requirements		
Power Supply 120V / 1ph / 60Hz		
Total Load (Amps)	16	24

NEMA Plug

L5-30P 30A / 120V

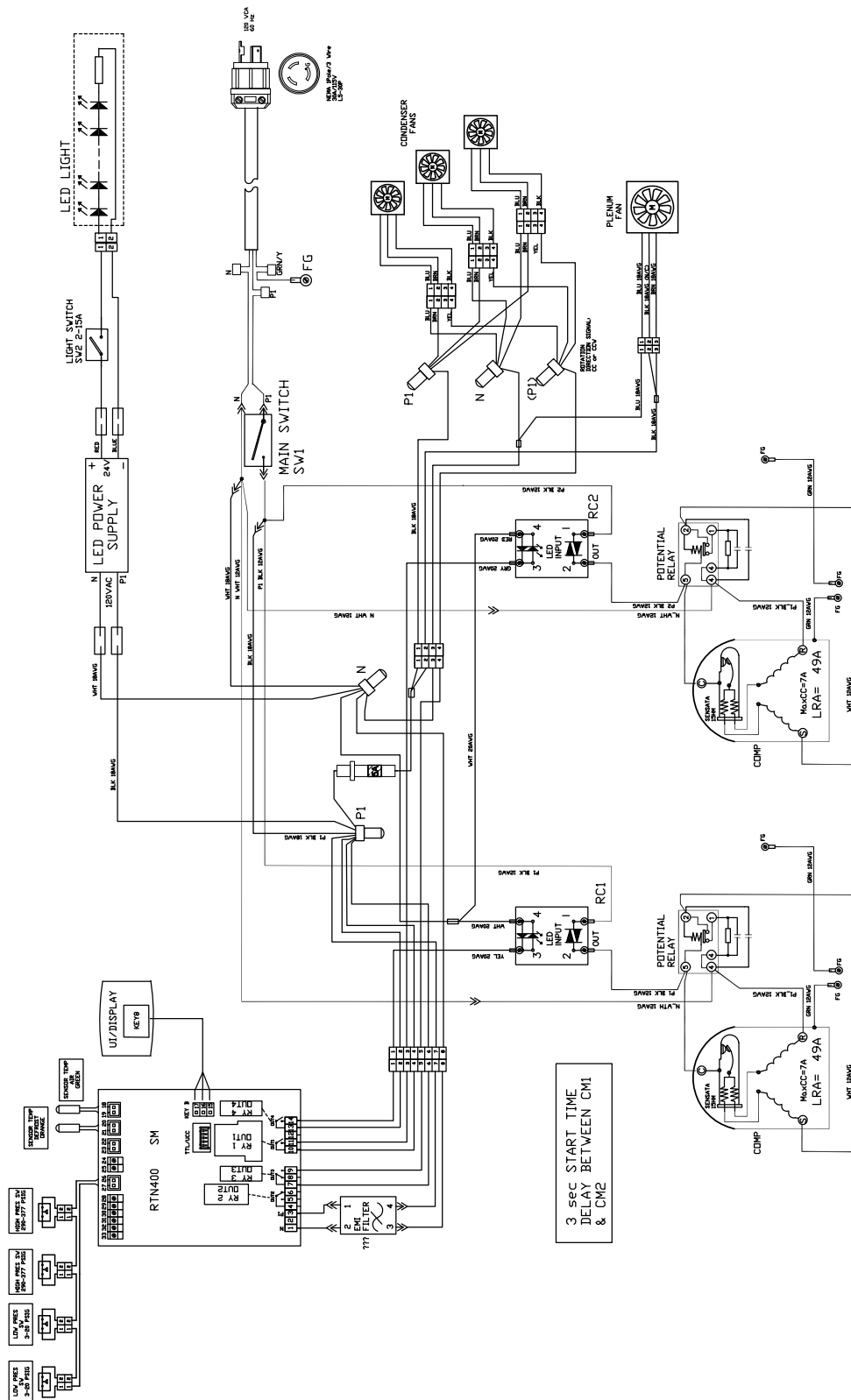


ESTIMATED SHIPPING WEIGHT †		
Case	MDN3575B1A/S1A	MDN4775B1A/S1A
lb (kg)	492 (224)	592 (269)
† Actual weights will vary according to optional kits included.		

MDN-B1A/S1A

Beverage / Dairy / Deli /
Meat / Produce

Wiring Diagram

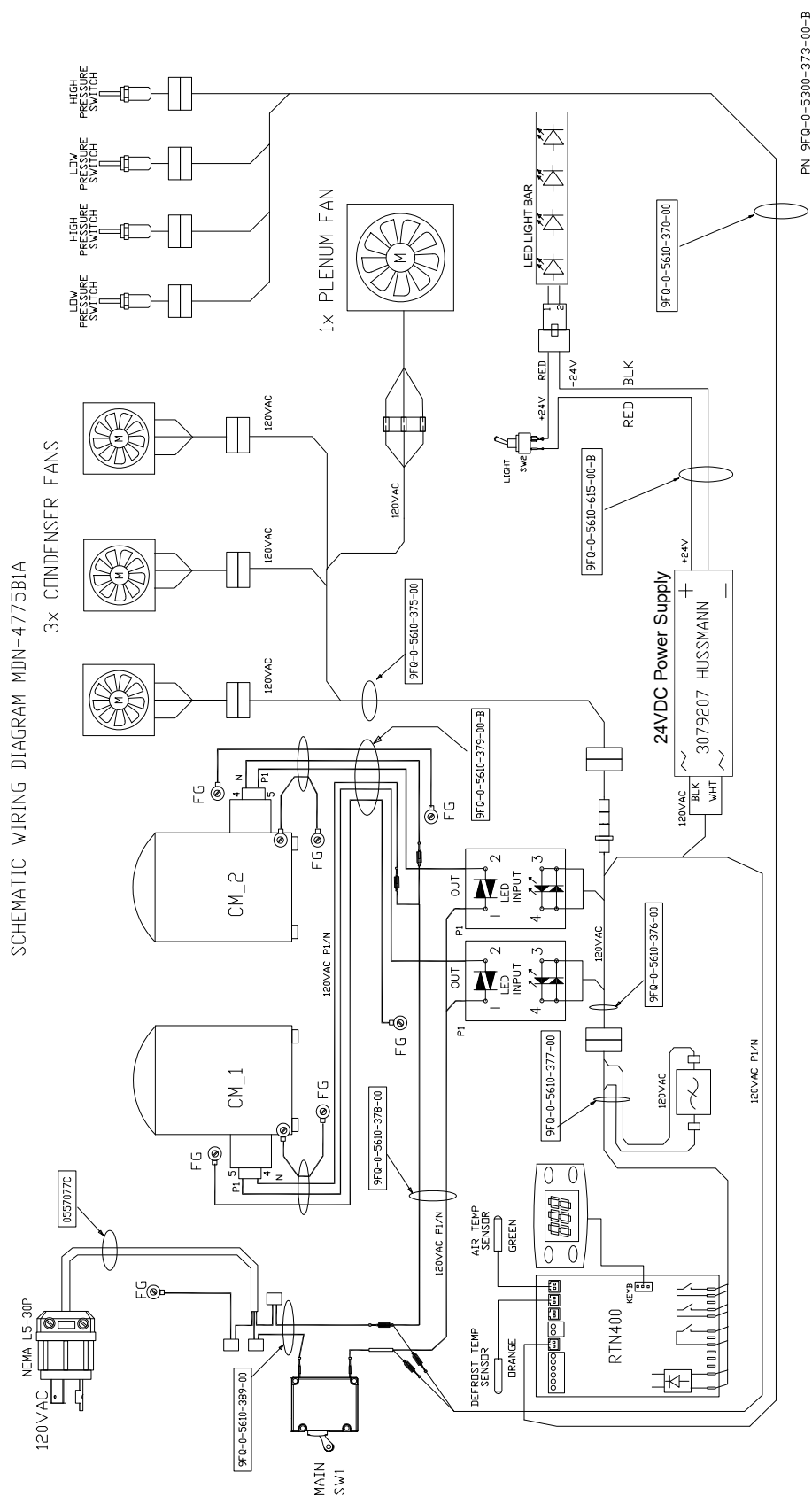


PN 9FQ-0-5300-372-00-A

Wiring Diagram

MDN-B1A/S1A
Beverage / Dairy / Deli /
Meat / Produce

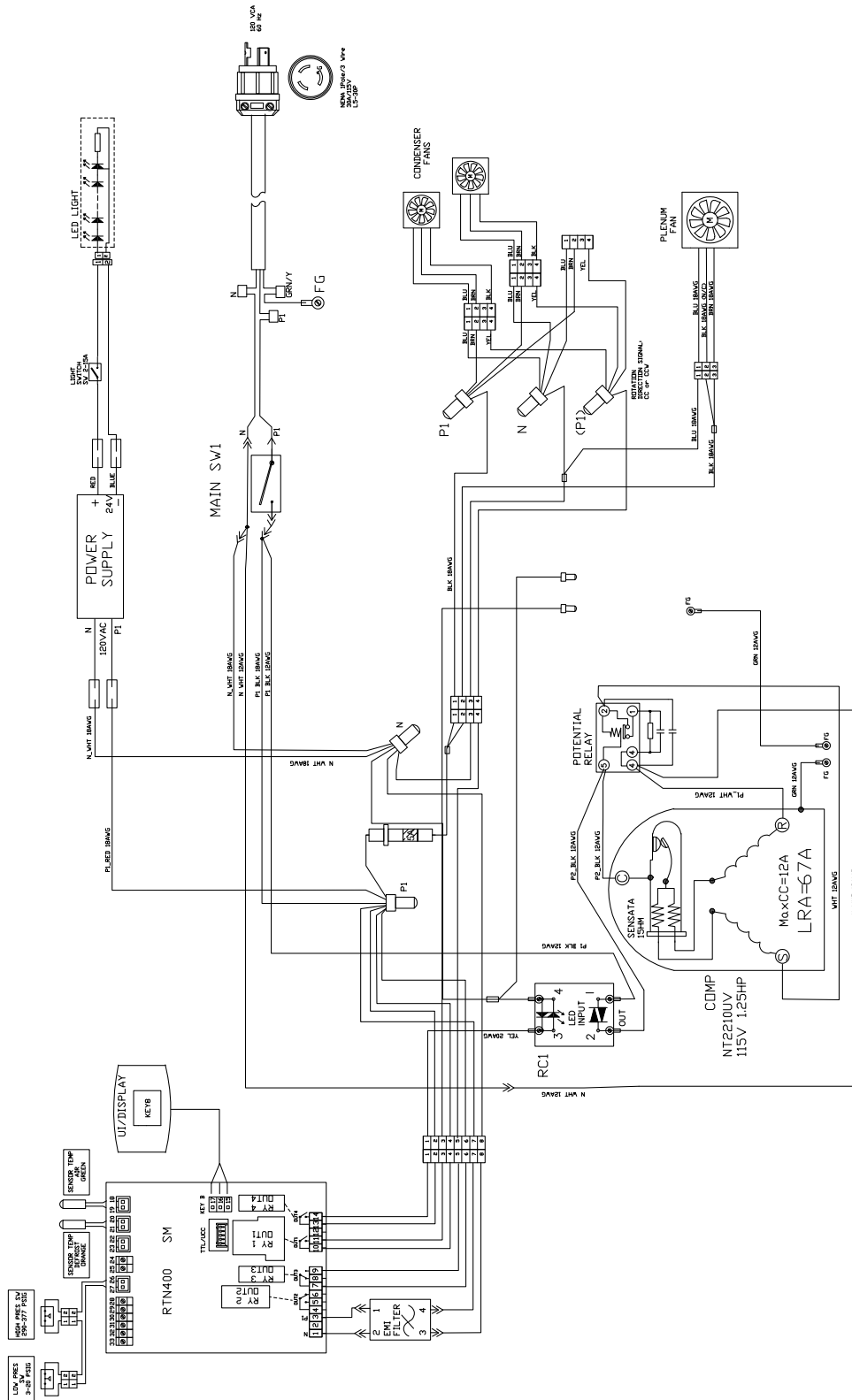
MDN-B1A/S1A
Beverage / Dairy / Deli /
Meat / Produce



MDN-B1A/S1A

Beverage / Dairy / Deli /
Meat / Produce

Wiring Diagram

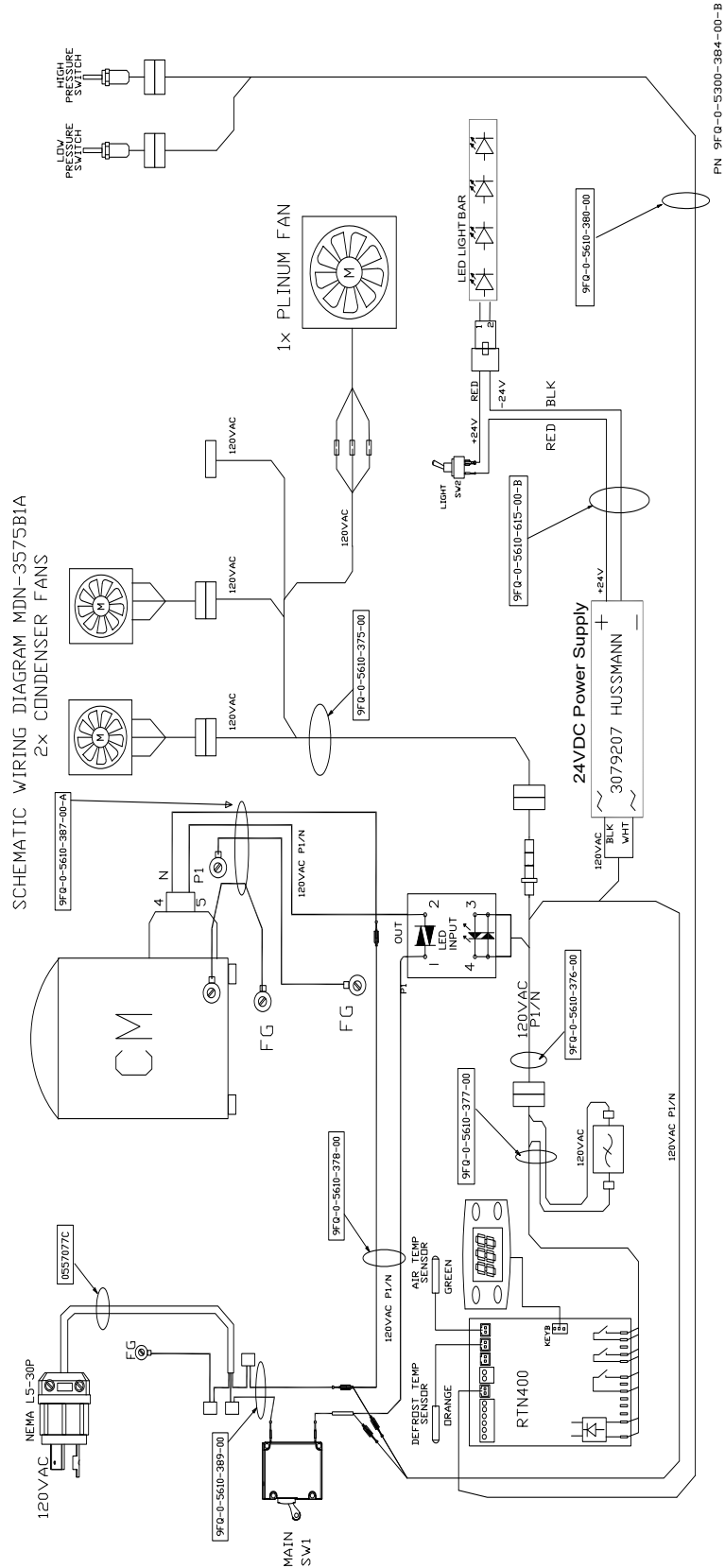


PN 9FQ-0-5300-383-00-A

Wiring Diagram

MDN-B1A/S1A

Beverage / Dairy / Deli /
Meat / Produce



MDN-B1A/S1A

**Beverage / Dairy / Deli /
Meat / Produce**



Scan the QR code with your mobile device to access additional product information or order parts.

Parts may also be ordered at:

parts.husmann.com

Call toll free: 1.855.487.7778

Revision History

Revision A: December 2021: Original Issue.

Revision B: December 2021: Marketing updates.

Revision C: April 2022: Added “meat” to the performance data.

Revision D: June 2023: Updated wiring diagrams.