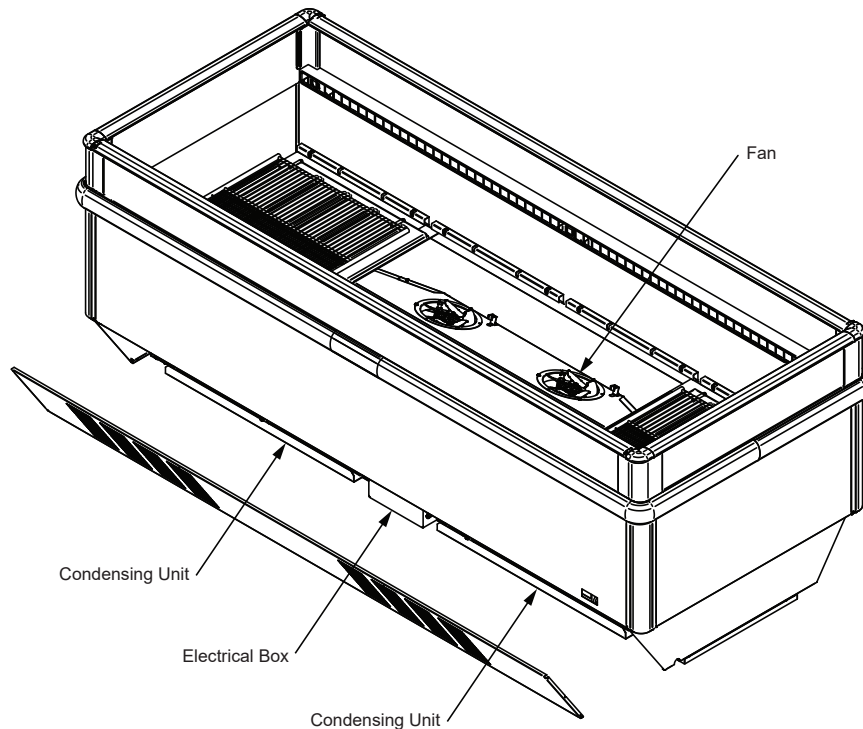




8-foot merchandiser shown. Portion of parts removed for clarity.

Technical Data Sheet

MNGSC-A

Medium Temperature
Air-Cooled R-290
Merchandiser

Applications

Beverage, Deli, Meat, Produce

P/N 3109694 Rev E

September 2024

Models Covered:

MNGSC4A, MNGSC6A, MNGSC8A

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Certifications



UL EPH Certification

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

MNGSC4A and MNGSC6A is intended for NSF Type II ambient applications (80° F / 55% RH).
MNGSC8A is intended for NSF Type I ambient applications (75° F / 55% RH).

⚠ 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.

MNGSC-A

Deli / Beverage /
Produce / Meat

Refrigeration Data ^{1**}

		Deli / Beverage / Produce / Meat		
		4 Foot	6 Foot	8 Foot
Refrigeration	Discharge Air °F (°C)	24 to 42 (-4.4 to 5.5)	23 to 41 (-5 to 5)	21 to 39 (-6 to 4)
	Average Evaporator °F (°C)	18 to 22 (-7.7 to -6.1)	10 to 15 (-12 to -9)	18 to 22 (-7.7 to -6.1)
	Total Heat of Rejection ²	3083	4056	6165
Condensing Unit	Capacity ³	2331	3073	4662
	Nominal HP	1/4	1/4	1/4
Evaporator Fan Speed	7" Fan Assembly	1000	1100	1550

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 14°F and a condensing temperature of 95°F.

Defrost Data

All models with the same defrost parameters.

Frequency (hours between defrost) 8

Defrost Type Offtime

Defrost Termination (Temperature °F) 45

Time (minutes) 50

ELECTRIC OR GAS Not Available

Energy Consumption Data DEC (kWH/day)

4 Foot	6 Foot	8 Foot
7.69	8.72	9.24

Refrigerant Data

Refrigerant Type R-290

Charge ⁴

4 Foot	0.33 lb	5.3 oz	150 g
6 Foot	0.33 lb	5.3 oz	150 g
8 Foot	0.66 lb	10.6 oz	300 g

⁴ 8 foot has 2 circuits (each circuit has 150 g.).
4 and 6 foot has 1 circuit (each circuit is 150 g.).

Sound Data

4 Foot	6 Foot	8 Foot
56.6 dB	59.8 dB	68.3 dB

Product Data⁵

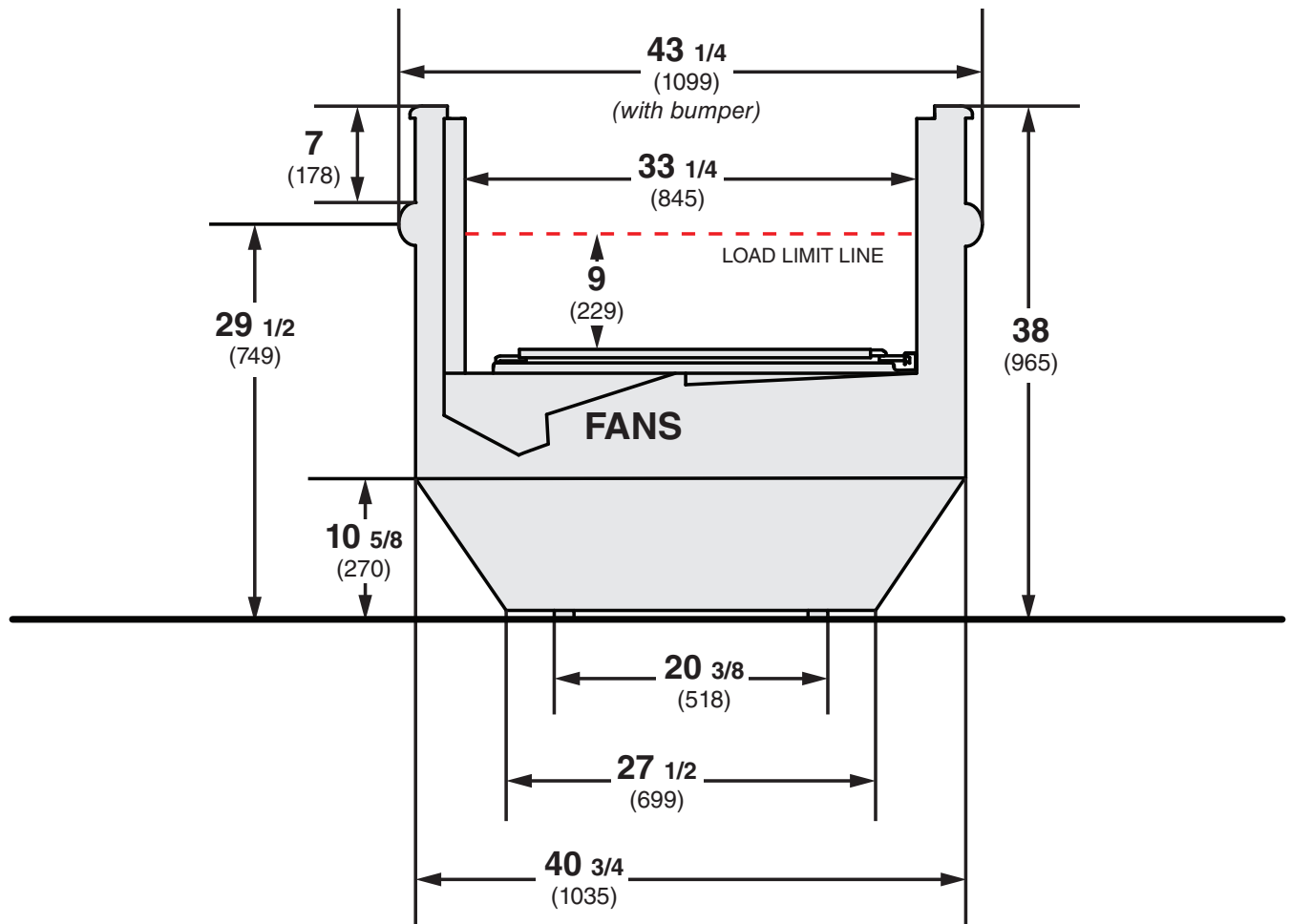
	4 Foot	6 Foot	8 Foot
Total Display Area (ft ²)	11.1	16.65	22.26
Total Display Area (ft ² /ft)	2.78		
Shelf Area (in ²)	1598.4	2397.6	3196.8
Shelf Area (ft ²)	11.10	16.65	22.20
Shelf Area (ft ² /ft)	2.8		
AHRI Gross Refrigerated Volume (cu ft ³)	8.3	12.5	16.6
AHRI Gross Refrigerated Volume (cu ft/ft)	2.1		
AHRI Gross Refrigerated Volume (cu m/m)	0.19		
Total Display Area (sq m/m)	2.07		
Shelf Area (m ² /m)	0.85		

⁵ Computed using AHRI 1200 standard methodology

A clearance of 10-in is needed around the case
to ensure no obstruction in the condensing unit
air flow.

Dimensions shown as in. and (mm).

MNGSC-A

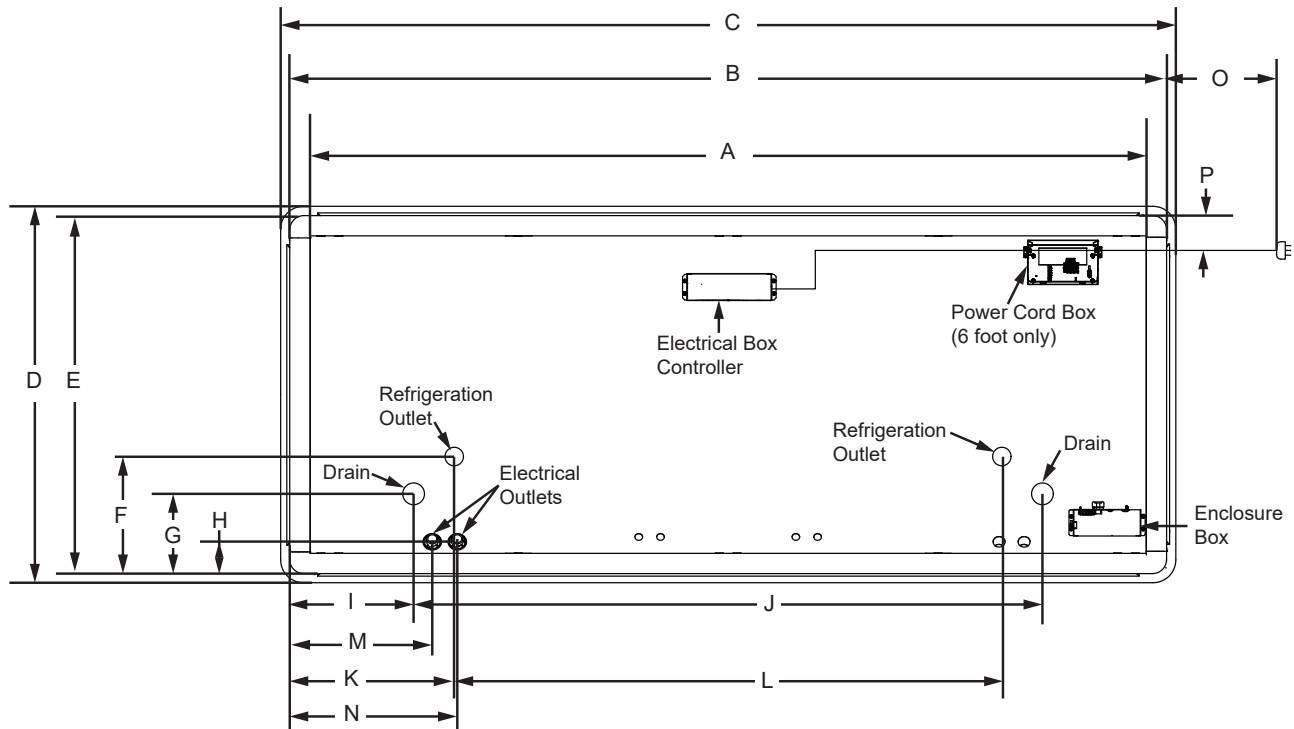


MNGSC-ADeli / Beverage /
Produce / Meat

	Controller Box	Enclosure Box	Power Cord Box
4 ft	Right	Right	N/A
6 ft	Center	Right	Right
8 ft	Center	N/A	N/A

**Engineering
Plan View**

Dimensions shown as in. and (mm).



Front

General		4 Foot	6 Foot	8 Foot
(A)	Case Length	48 1/8 (1222)	73 1/2 (1867)	96 1/8 (2442)
(B)	Case Length (with pair of ends)	50 3/4 (1289)	76 3/4 (1949)	100 3/4 (2559)
(C)	Case Length (with pair of ends and bumper)	52 7/8 (1343)	78 7/8 (2003)	102 7/8 (2613)
(D)	Maximum O/S of case back to front (includes bumper)	43 1/4 (1099)	43 1/4 (1099)	43 1/4 (1099)
(E)	Maximum O/S of case back to front (without bumper)	33 1/4 (845)	33 1/4 (845)	33 1/4 (845)
(F)	Center of refrigeration outlet to front of case	12 1/4 (311)	11 1/4 (286)	13 5/8 (346)
(G)	Center of drain to front of case	9 3/8 (238)	9 3/8 (238)	9 3/8 (238)
(H)	Center of electrical outlets to front of case	4 1/4 (108)	5 1/2 (140)	4 1/8 (105)
(I)	Left of case to center of drain	14 1/4 (362)	14 1/8 (359)	14 1/8 (359)
(J)	Center of left drain to center of right drain	24 1/8 (616)	49 5/8 (1260)	72 1/4 (1835)
(K)	Left of case to center of refrigeration outlet	11 5/8 (295)	21 5/8 (549)	18 5/8 (473)
(L)	Center of left refrigeration outlet to center of right refrigeration outlet	N/A	N/A	62 7/8 (1597)
(M)	Left of case to center of first electrical outlet	17 3/4 (451)	17 1/4 (438)	15 7/8 (403)
(N)	Left of case to center of second electrical outlet	20 5/8 (524)	20 3/8 (518)	18 3/4 (476)
(O)	Right end of case to end of extension cord	125 (3175)	122 (3098)	58 (1473)
(P)	Back of case to extension cord	3 7/8 (98)	3 7/8 (98)	3 7/8 (98)

Electrical Data

MNGSC-A
Deli / Beverage /
Produce / Meat

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

	4 Foot	6 Foot	8 Foot
Merchandiser Requirements			
Power Supply	120V / 1ph / 60Hz (all models)		
Total Load (Amps)	7	7.5	12
Power cord quantity	1 (all models)		
NEMA Plug	5-15P (all models)		

NEMA Plug
5-15P

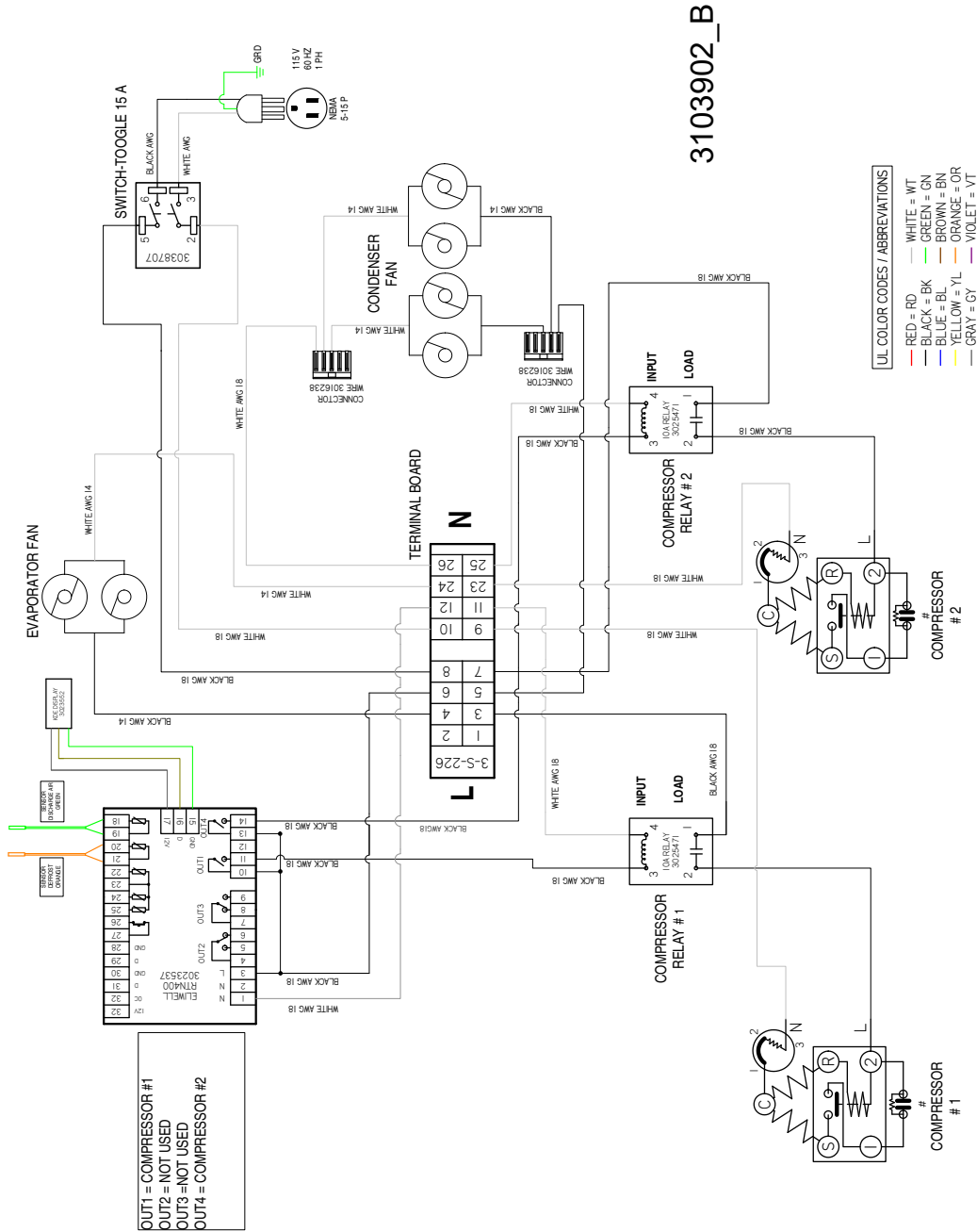


ESTIMATED SHIPPING WEIGHT †				
Case	4 Foot	6 Foot	8 Foot	Solid End (each)
lb (kg)	600 (272.4)	743 (337.3)	1085 (492)	Included
† Actual weights will vary according to optional kits included.				

MNGSC-A

Deli / Beverage /
Produce / Meat

Standard Wiring Diagram



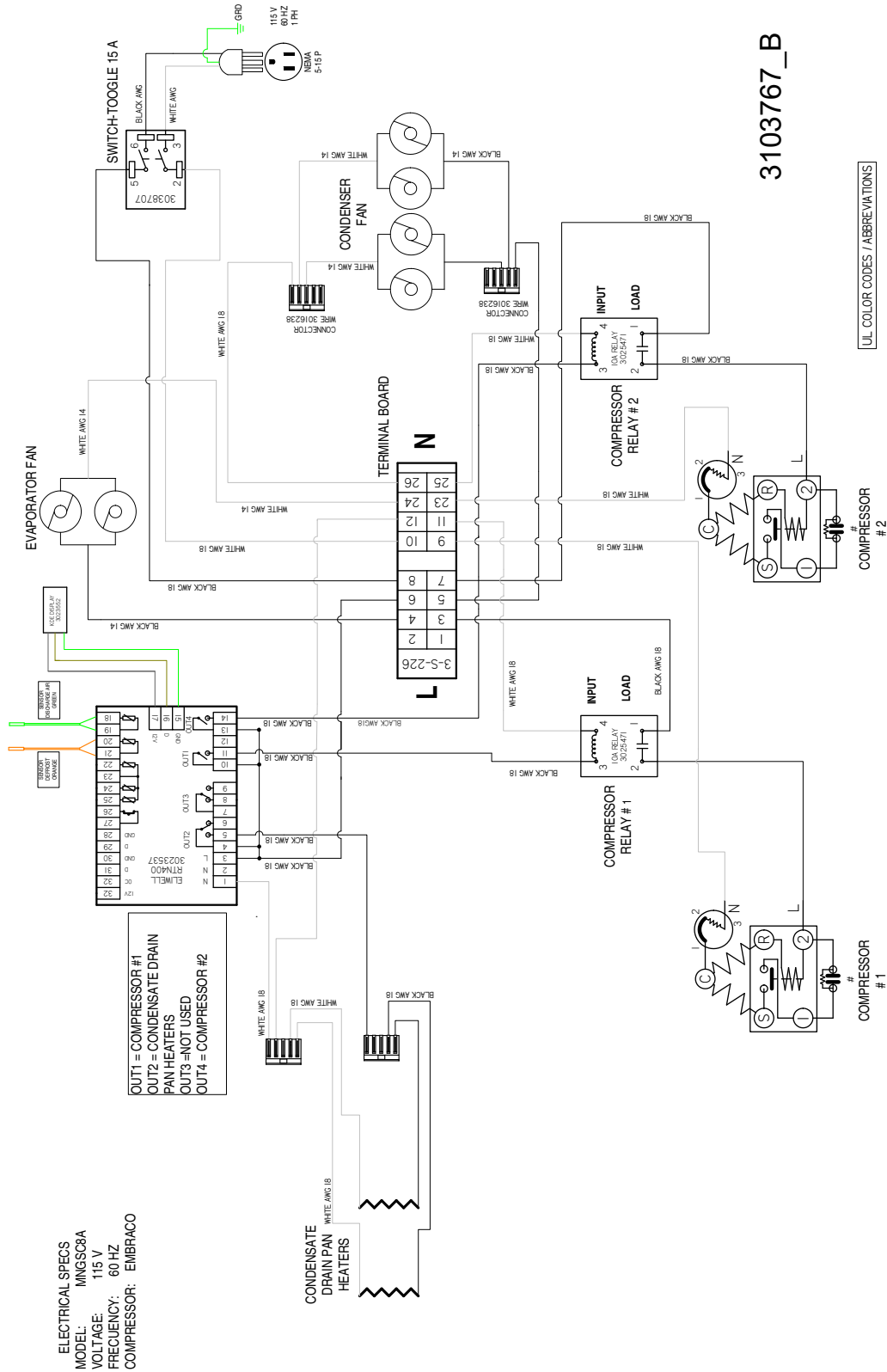
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ELECTRICAL SPECS
MODEL: MNGSC8A
VOLTAGE: 115 V
FREQUENCY: 60 HZ
COMPRESSOR: EMBRACO

Optional Condensate Drain Pan Heater Wiring Diagram

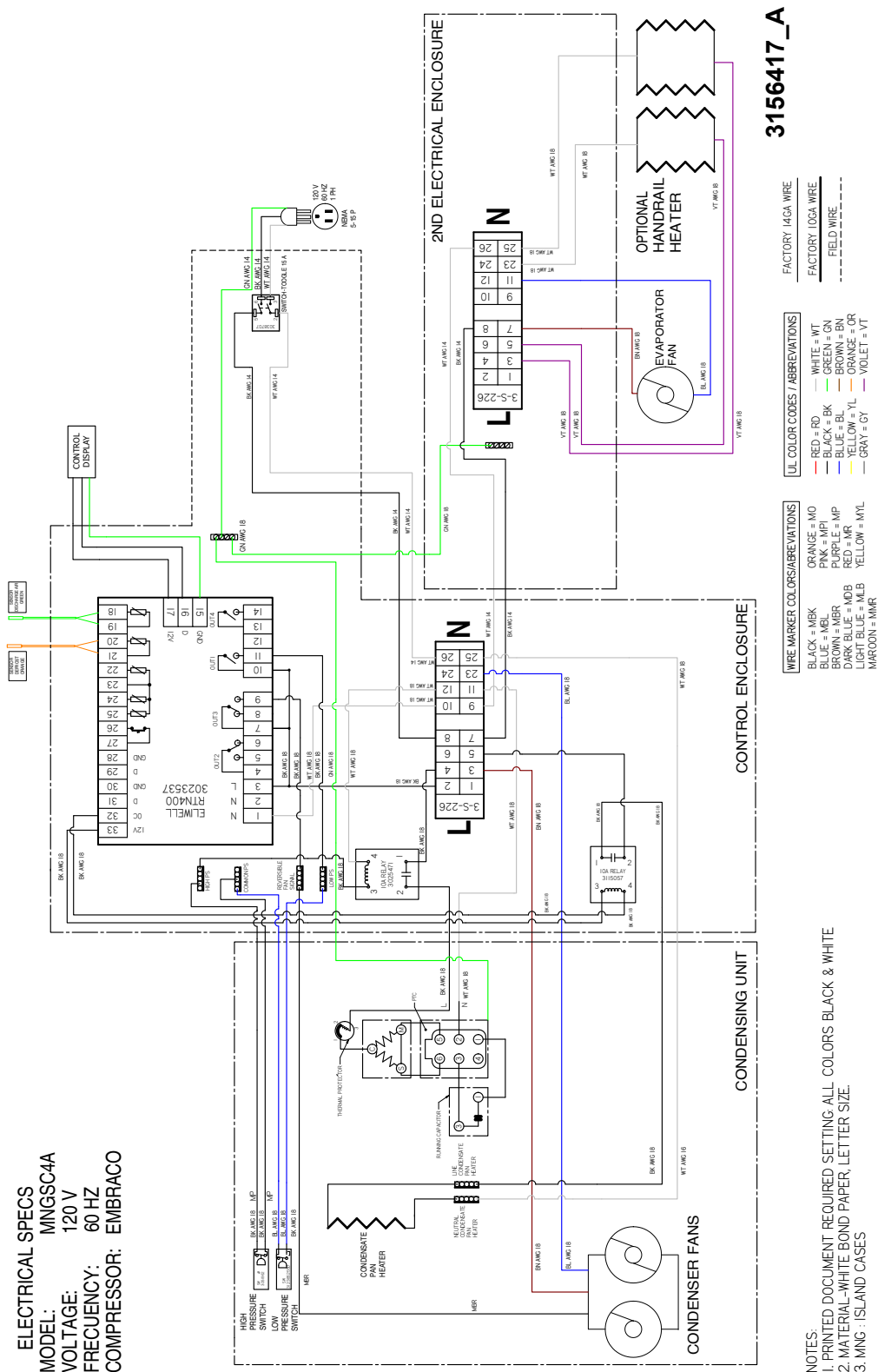
MNGSC-A

Deli / Beverage /
Produce / Meat



**Deli / Beverage /
Produce / Meat**

4 Foot Wiring Diagram

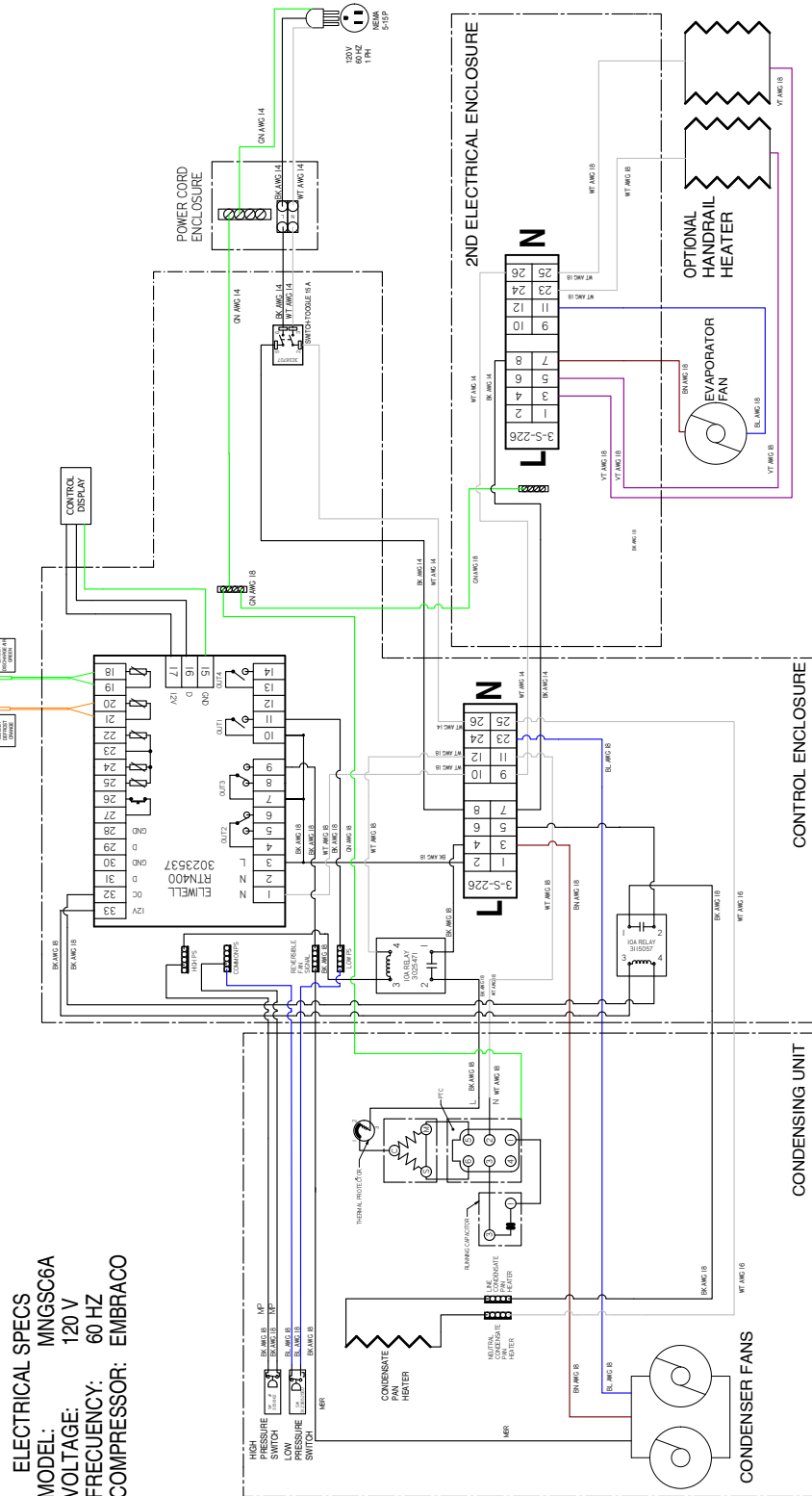


NOTES:
1. PRINTED DOCUMENT REQUIRED SETTING ALL COLORS BLACK & WHITE
2. MATERIAL-WHITE BOND PAPER, LETTER SIZE.
3. MNG : ISLAND CASES

6 Foot Wiring Diagram

MNGSC-A

Deli / Beverage /
Produce / Meat



3160901_A

FACTORY 14GA WIRE

FACTORY 10GA WIRE

FELD WIRE

UL COLOR CODES / ABBREVIATIONS

RED = RD WHITE = WT
BLACK = BK GREEN = GN
BLUE = BL BROWN = BN
YELLOW = YL ORANGE = OR
GRAY = GY VIOLET = VT

WIRE MARKER COLORS/ABBREVIATIONS

ORANGE = MO
BLACK = MBK
BLUE = MBL
BROWN = MBR
DARK BLUE = MDB
LIGHT BLUE = MLB
MAROON = MMR

NOTES:
1. PRINTED DOCUMENT REQUIRED SETTING ALL COLORS BLACK & WHITE
2. MATERIAL-WHITE BOND PAPER LETTER SIZE.
3. MNG - ISLAND CASES

MNGSC-A

**Deli / Beverage /
Produce / Meat**



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: January 2020: Original Issue

Revision B: January 2020: Updated footnotes on page 2, clearance note on page 3, electrical data on page 5 and added new wiring diagram.

Revision C: March 2020: Added the cover warning, updated the Refrigeration Data on page 3, Electrical Data on page 5, wiring diagrams and plan view and cross section.

Revision D: July 2022: Added 4 and 6 foot data.

Revision E: Updated cover logos.