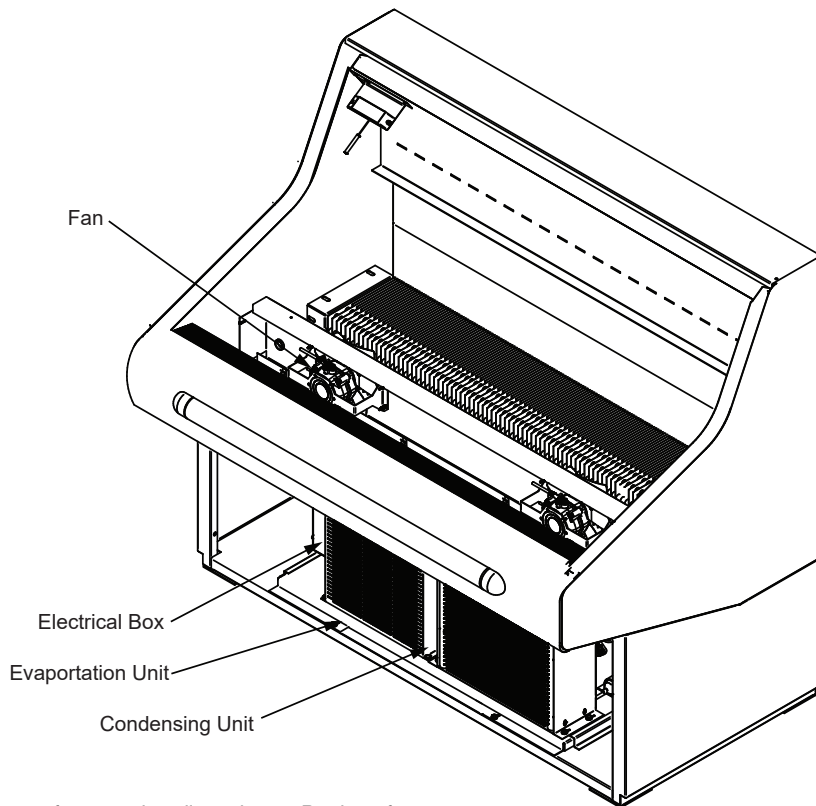




3-foot merchandiser shown. Portion of parts removed for clarity.

Technical Data Sheet

SHM-A

Self-Contained Air-Cooled
R-290 Open Merchandiser

Applications

Beverage, Deli, Produce

P/N 3109357 Rev B

September 2024

Models Covered:

SHM3A, SHM4A

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Certifications



UL EPH Certification

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

This case is intended for NSF Type II ambient applications (80°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.

SHM-A

Deli / Beverage / Produce

Refrigeration Data ^{1, 4}

		Deli/ Beverage/ Produce	
		3 Foot	4 Foot
Refrigeration	Discharge Air °F (°C)	22 to 24 (-5 to -4)	20 to 22 (-6 to -5)
	Average Evaporator °F (°C)	12 to 14 (-11 to -10)	10 to 12 (-12 to -11)
	Total Heat of Rejection ²	4054	4885
Condensing Unit	Capacity ³	3068	3639
	Nominal HP	1/3	1/2
Evaporator Fan Speed	5" Fan Assembly	1550	1550

Notes:

1. All data based on store temperature and humidity that does not exceed NSF Type I 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.
4. All product must be pre-chilled prior to loading.

Defrost Data

Frequency (hours between defrost) 8

Defrost Type Offtime

Defrost Termination (Temperature °F) 48

Time (minutes) 50

ELECTRIC OR GAS Not Available

Sound Data

4 Foot 70 dB

Energy Consumption Data

DEC (kWH/day)

3 Foot 4.35

4 Foot 5.43

⁴ Energy values obtained under AHRI 1200.

Refrigerant Data

Refrigerant Type R-290

Charge ⁵ .33 lb 5.3 oz 150 g

⁵ Maximum charge per condensing unit = 150 g.

Product Data ⁶

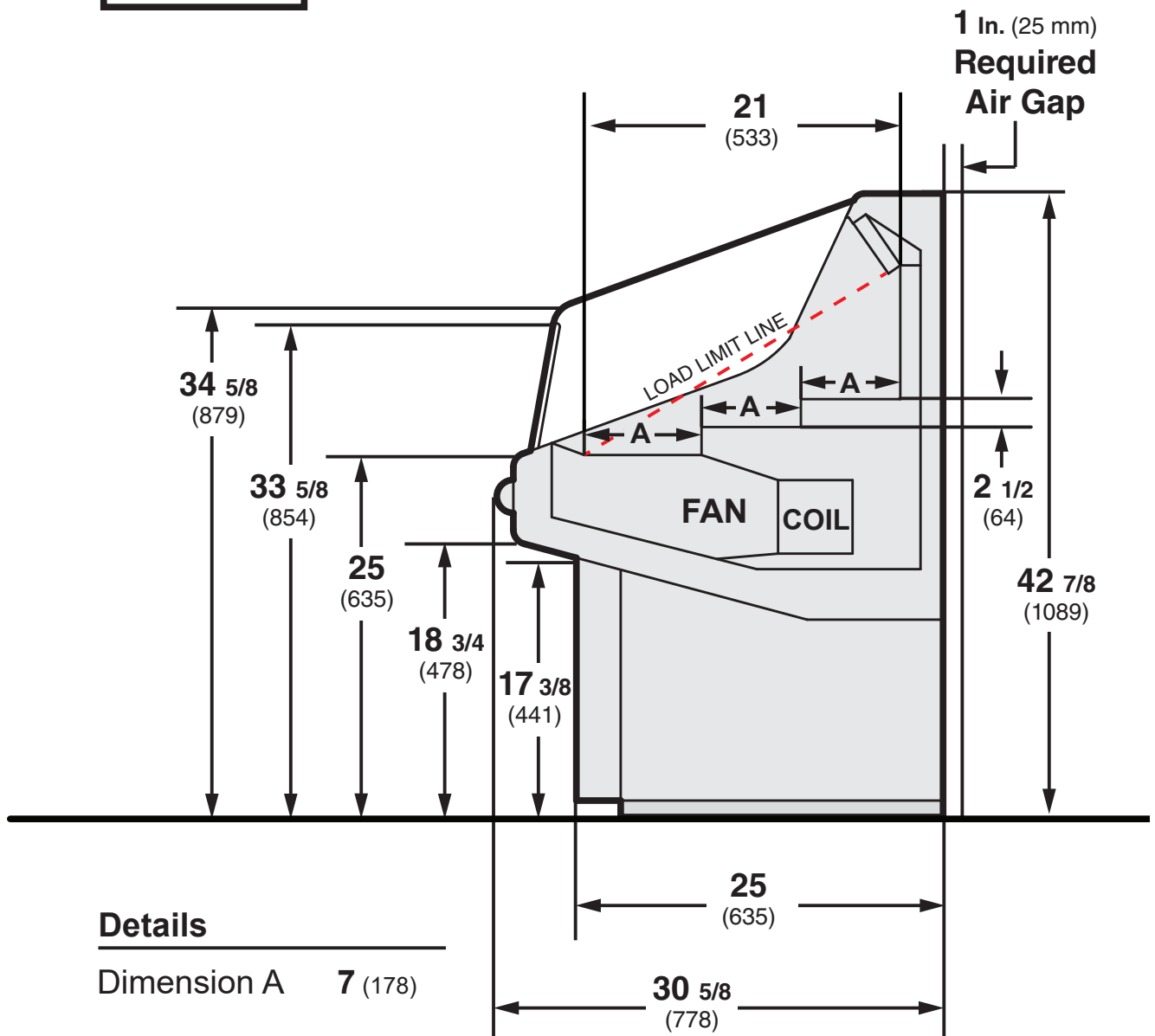
	3 Foot	4 Foot
Total Display Area (ft ²)	6.7	8.9
Total Display Area (ft ² /ft)	2.4	
Shelf Area (in ²)	693	945
Shelf Area (ft ²)	4.8	6.6
Shelf Area (ft ² /ft)	1.6	
AHRI Gross Refrigerated Volume (cu ft ³ /ft)	0.5	
AHRI Gross Refrigerated Volume (cu m/m)	0.05	
Total Display Area (sq m/m)	0.732	
Shelf Area (m ² /m)	0.044	

⁶ Computed using AHRI 1200 standard methodology

Dimensions shown as in. and (mm).

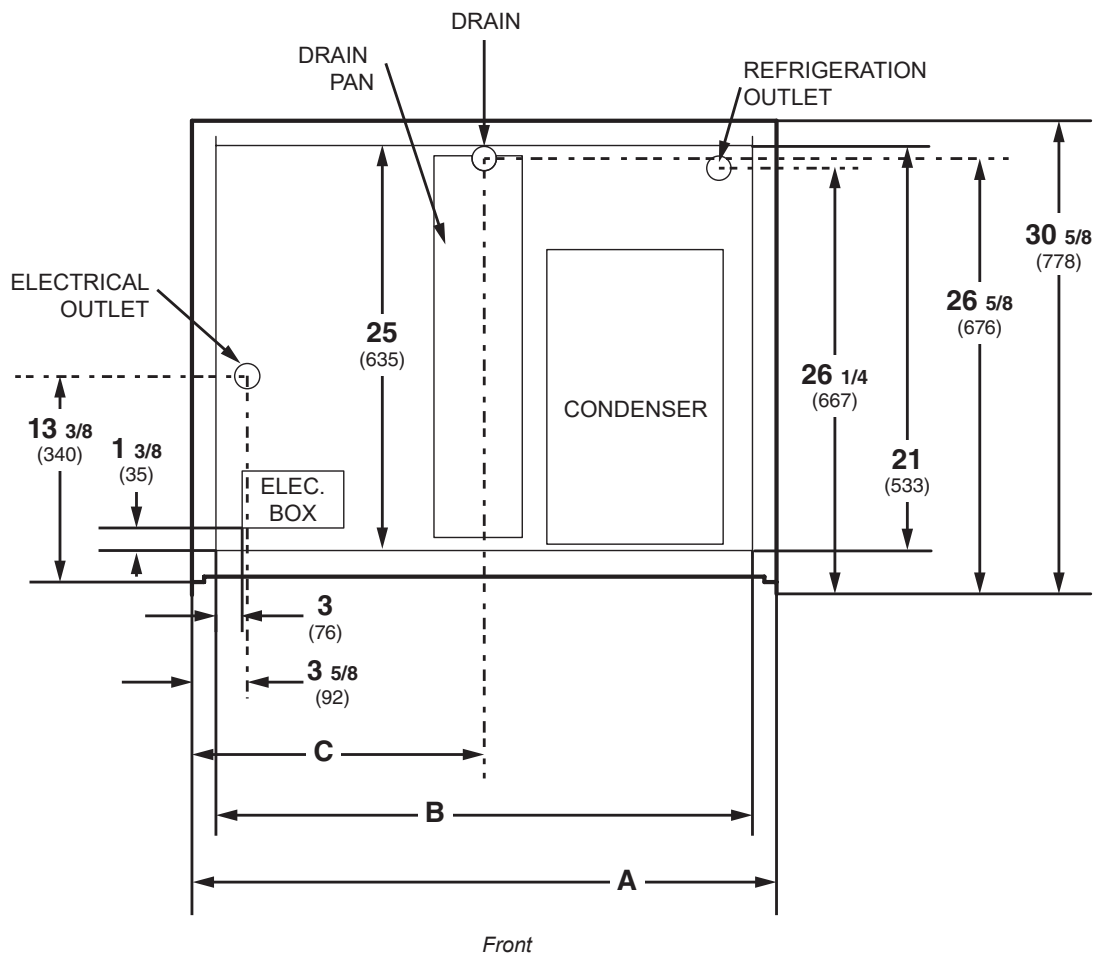
SHM-A

1 inch Required Air Gap, 2 sides and rear
24 inch front



Dimensions shown as in. and (mm).

Usable power cord length is 78 in. (1981 mm).



General	3 Foot	4 Foot
(A) Case Length <i>(includes one pair ends)</i>	36(914)	48(1219)
Maximum O/S dimension of case back to front	30 5/8 (778)	30 5/8 (778)
(B) Interior case length	32 7/8 (875)	44 3/4 (1137)
(C) LH End of case to the center of waste outlet	18(457)	24(610)

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

5-in.

SHM-A

2

3 Foot		4 Foot	
Amperes	Watts	Amperes	Watts

Evaporator Fans

115V	60Hz	Energy Efficient	0.2	20	0.2	20
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* Amperes/watts are at max values

Merchandiser Requirements

	3 Foot	4 Foot
Power Supply 115V / 1ph / 60Hz		
Compressor RLA	2.2	2.9
Compressor LRA	21	27
Case Run Amps	2.7	3.5
Minimum Circuit Amps (MCA)	3.78	4.9
Maximum Over Current Protection (MOCP)	15	15

NEMA Plug

5-15P



ESTIMATED SHIPPING WEIGHT †

Case			Solid End
	3 Foot	4 Foot	(each)
lb (kg)	252 (114)	305 (138)	Included

† Actual weights will vary according to optional kits included.

SHM-A

Deli / Beverage / Produce

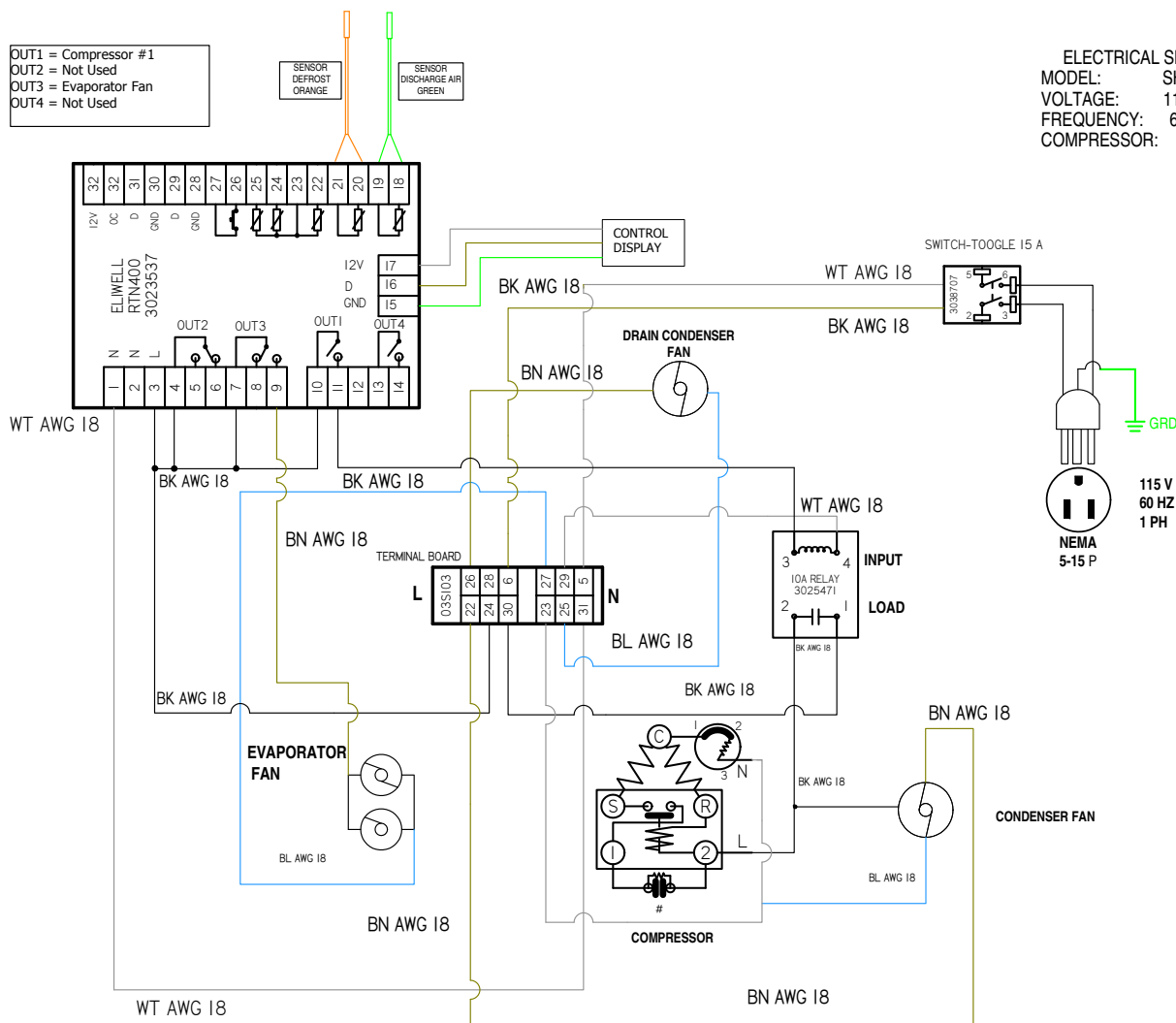
Wiring Diagram 3 & 4 Foot

OUT1 = Compressor #1
OUT2 = Not Used
OUT3 = Evaporator Fan
OUT4 = Not Used

SENSOR DEFROST
ORANGE

SENSOR DISCHARGE AIR
GREEN

ELECTRICAL SPECS
MODEL: SHM3A-4A
VOLTAGE: 115 V
FREQUENCY: 60 HZ
COMPRESSOR: EMBRACO



UL COLOR CODES / ABBREVIATIONS

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

3094712_B

SHM-A

Deli / Beverage / 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: March 2020: Original Issue

Revision B: September 2024: Updated cover logos.