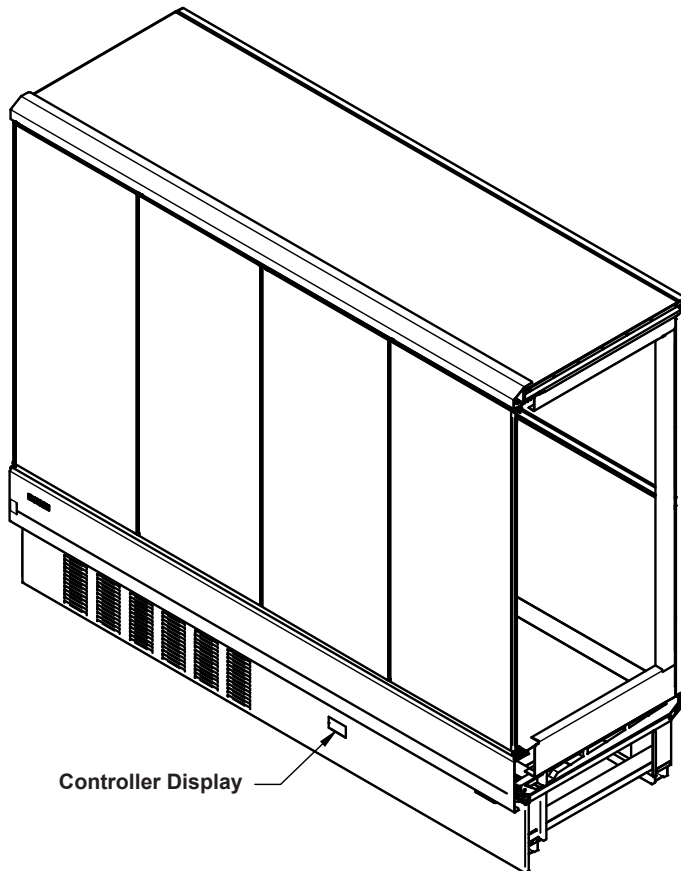




Controller Display

Certifications



UL EPH Certification

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

⚠ 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.

Technical Data Sheet

MD8DA

Air-Cooled R-290
Self-Contained
Merchandiser

Applications

Beverage, Dairy, Deli,
Meat, Produce

P/N 3192123 Rev B

January 2025

Models Covered:

MD8DA

Table of Contents

Performance Data	2
Product Data	3
Cross-Section View	3
Plan View	4
Electrical Specifications	5
Shipping Weight	5
Wiring Diagram(s)	6
Parts Information (contact)	8
Revision History	8

MD8DA

Beverage / Dairy / Deli /
Meat / Produce

Refrigeration Data ¹

Application	Dairy/Deli ⁴	Meat	Cut Produce	Bulk Produce
Discharge Air (Setpoint) ° F (° C)	25 (-3.9)	21 (-6.1)	26 (-3.3)	33 (0.6)
Deadband	5	5	5	5
Fan Speed (RPM)	1,550	1,550	1,550	1,550

Notes:

1. All data based on store temperature and humidity that does not exceed NSF Type II ambient conditions of 80° F (26.7° C) 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 (-15° C) and a condensing temperature of 113° F (45° C).
4. These are the DOE settings.

Defrost Data

Frequency (hours between defrost)	12
Defrost Type	Offtime
Defrost Termination (Temperature °F)	45
Time (minutes)	20

Energy Consumption Data ⁵

DEC (kWH/day)

MD8DA 6.98

⁵ Energy values obtained under AHRI 1200.

Refrigerant Data

Refrigerant Type R-290

Charge

MD8DA 0.33 lb 5.29 oz 150 g

MD8DA

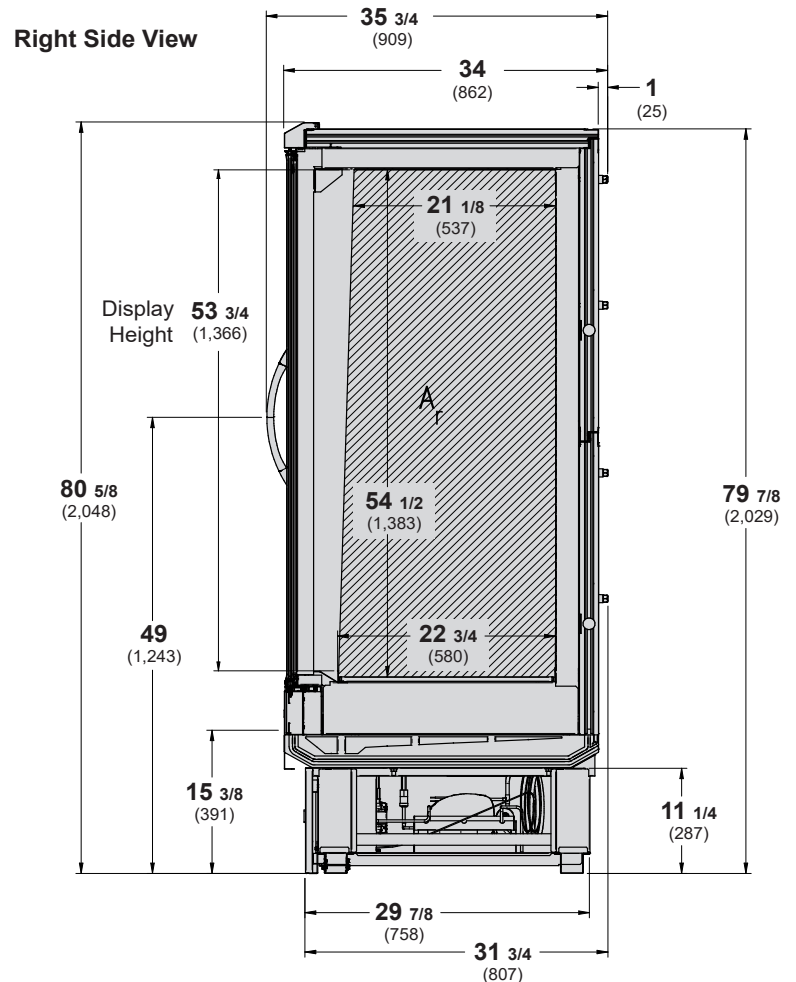
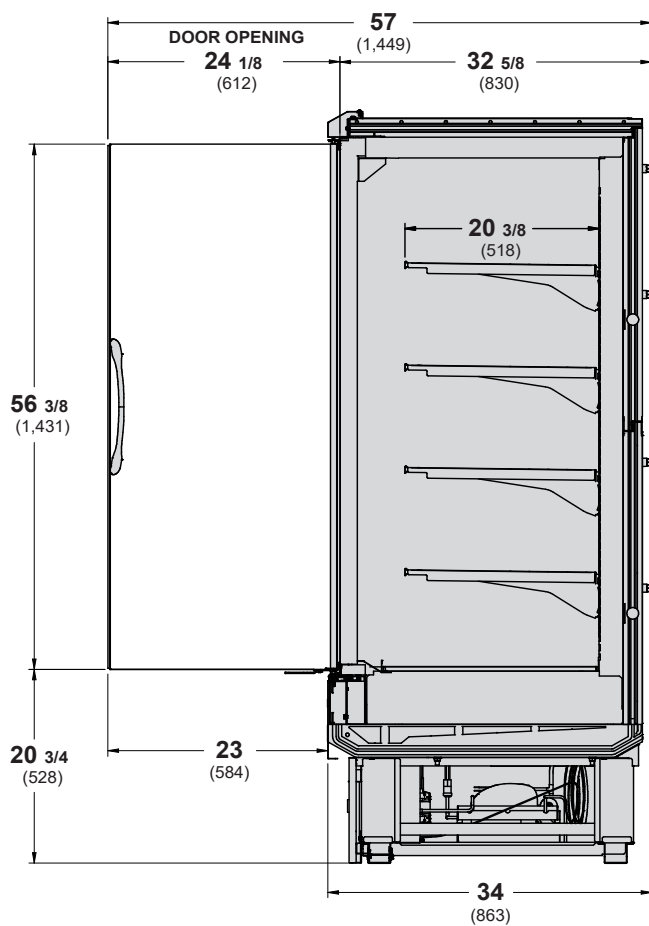
Beverage / Dairy / Deli /
Meat / Produce

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

MD8DA: 4 rows of 20 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**



Case	Display Area		Refrigeration Volume	
	DH	Total Display Area (TDA)	Area	Gross Refrigeration Volume (GRV)
MD8DA	53.75 in. (1,366 mm)	35.9 ft ² (3.3 m ²)	8.3 ft ² (0.77 m ²)	66.5 ft ³ (1.88 m ³)

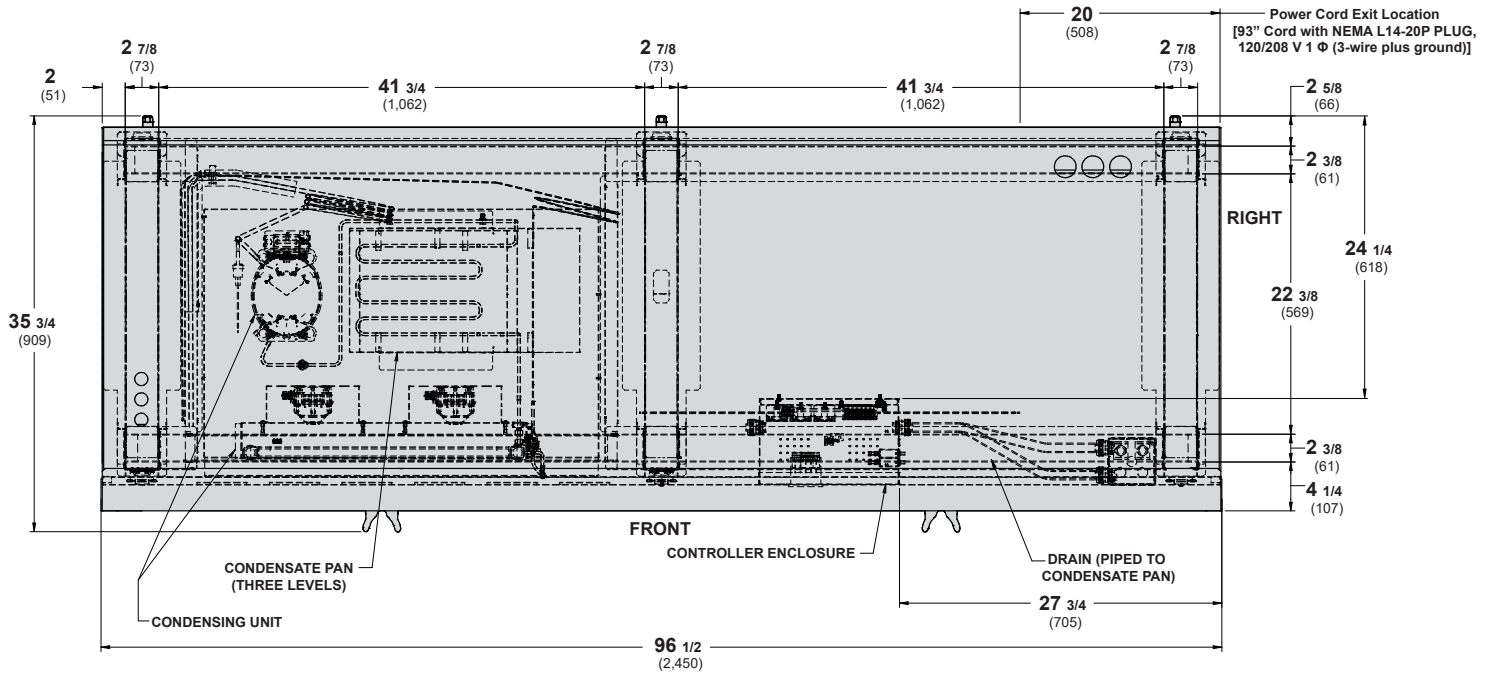
MD8DA

Beverage / Dairy / Deli /
Meat / Produce

Engineering Plan View

MD8DA

Plan View



General

MD8DA

- (A) Case Length *(includes one pair ends)*
- Maximum O/S dimension of case (back to front)
- (B) Interior case length

99 (2,515)

34 (861)

96 (2,438)

Electrical Data

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

Number of Evaporator Fans

2, 8-in.

Evaporator Fan

Input
(Amperes*)

Output
(Watts*)

120V / 1ph / 60 Hz Energy Efficient

0.7

80

** Amperes/watts are at max values*

MD8DA

Merchandiser Requirements

Input Power

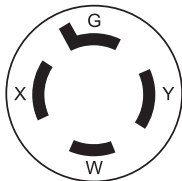
120/208 V / 1 Φ / 60 Hz**

Total Load (Amps)

6

NEMA Plug

L14-20P on 93" cord



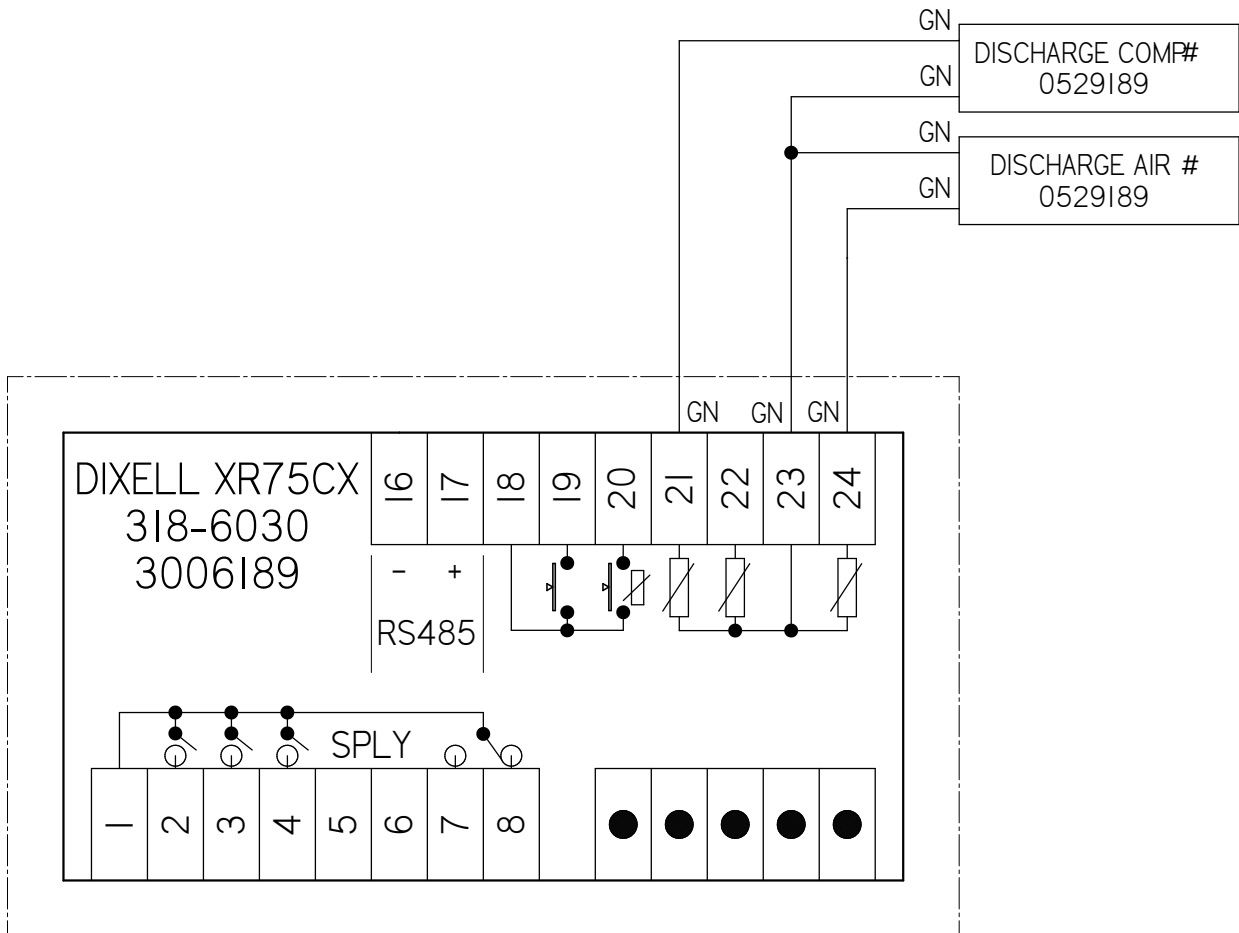
***derived from 208Y/120 V / 3 Φ / 60 Hz*

ESTIMATED SHIPPING WEIGHT †	
Case	MD8DA
lb (kg)	983 (446)
† Actual weights will vary according to optional kits included.	

Wiring Diagram (Dixell Controller)

MD8DA
Beverage / Dairy / Deli /
Meat / Produce

Sensors



MD8DA

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.hussmann.com

Call toll free: 1.855.487.7778

Revision History

Revision A: September 2024: Original Issue.

Revision B: January 2025: Updated NSF.