



REVEAL

merchandiser®



Product Catalog

MEAT EXCLUSIVE | PRODUCE EXCLUSIVE | MULTI-DECK | WITH DOORS | 4-12 FEET

REVEAL

merchandiser®

4ft • 6ft • 8ft • 12ft

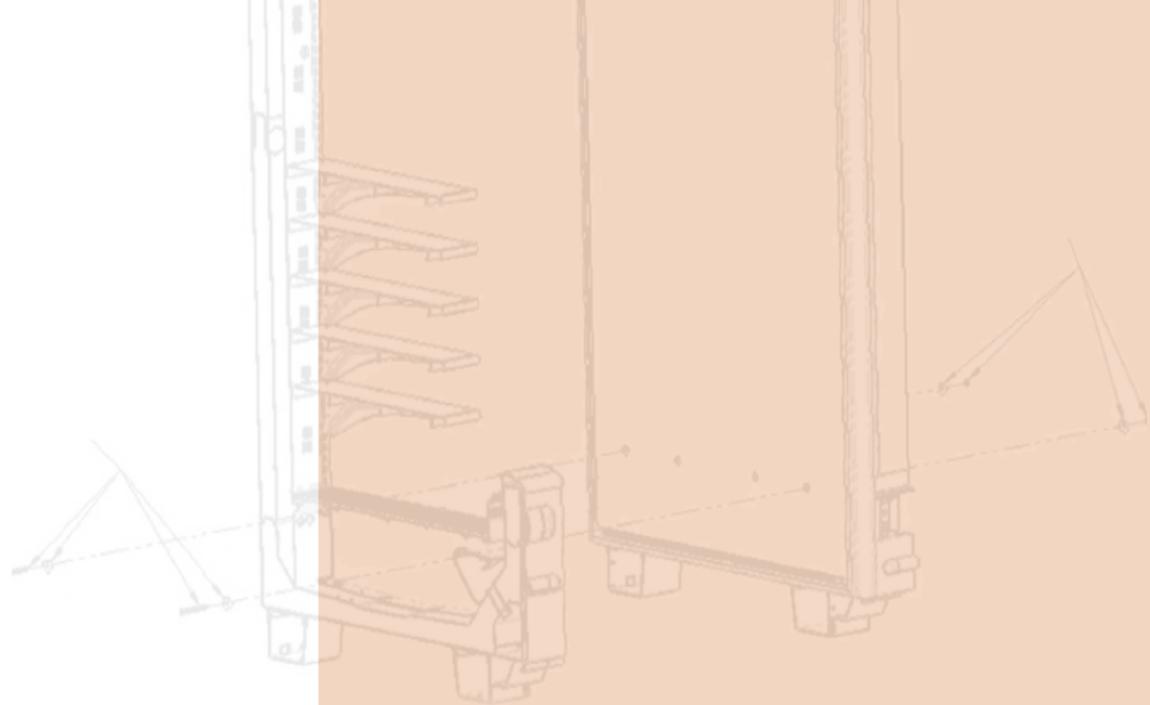
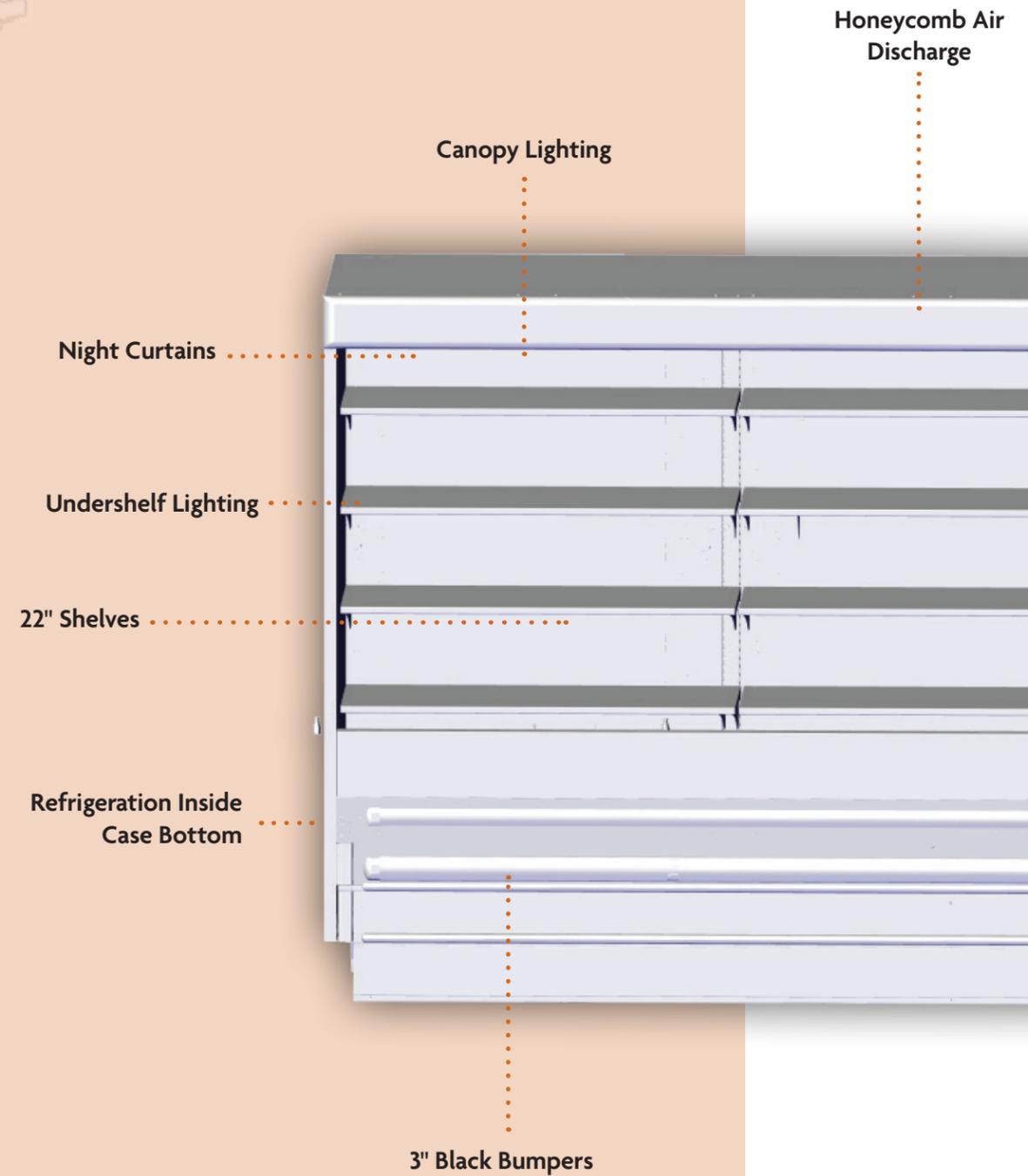


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12ORMC82



REVEAL

merchandiser®

The Reveal Merchandiser® Open Multi-Decks and the Reveal Merchandiser® Multi-Decks with Doors enhance our refrigerated display offering. The open multi-decks seamlessly complement our glass door display cases in terms of style, merchandising attributes, quality, and environmentally responsible energy efficiency.

EASY CLEANING

Easily removable wire racks, deck pans, back panels, and honeycombs allow for quick and easy cleaning.

CASE HEIGHT

Choose the case that fits your application for either dairy, beverage, meat, produce or deli. With multiple heights, different sill heights and canopy depths. Zero Zone has the product to meet your merchandising needs.

LIGHTING

ChillBrite® LED lighting offers the brightest, most reliable product illumination. Rotating canopy lighting enhances product appeal, with single or double-row options. Shelf and nose lighting available in customizable color temperature.

FORKLIFTABLE

Forkliftable from either side of the case, our reinforced bottom assembly features steel forklift plates, saving time from unloading the case and streamlining the installation process.



12ORMC88H



8ORMC80L-PX

INSTALLATION FRIENDLY

Known in the industry for easy installation and low maintenance, the Zero Zone legacy lives on with the Reveal Merchandiser® -- always NSF, DOE, and UL compliant and the enduring quality you expect.

SHELVING

Heavy duty, adjustable shelving, with an epoxy finish for durability. Multiple shelf tilt options, product stops, different price tag moldings, and undershelf lighting helps you customize your Zero Zone merchandiser to maximize your product offerings and profits.

MARKET STYLE

Options for low, medium, and high sill heights and recessed canopies offer the more accessible, market-style appearance.

MULTI-DECK OPTIONS

The Reveal Merchandiser® comes in a standard 5-deck and 6-deck options as well as our produce-exclusive (PX) and meat-exclusive (MX) 4-deck cases.

FIT & FINISH

Customize your case with unique accessories like hose kits, occupancy sensors, mirrors, and more.

NATURAL SOLUTION

Genesys® Natural refrigerant solutions available in CO2

Features and Options

Interior

1 Interior Color

	Standard (82/87)	Exclusive (75/80/82)	Doored (83/88)
Black	STANDARD	STANDARD	STANDARD
White	Optional	Optional	Optional
Brushed Stainless Steel	Special	Special	Special
Black/White E-coat (Seafood & Red Meat)	Special	Special	Special

2 Canopy Lighting

	Standard	Exclusive	Doored
1 Row ChillBrite® (4000k)	STANDARD	STANDARD	STANDARD
1 Row ChillBrite® (3500k)	Optional	MX-STANDARD	
1 Row ChillBrite® (3000k)	Optional	Optional	
2 Rows ChillBrite® (4000k)	Optional	Optional	
2 Rows ChillBrite® (3500k)	Optional	Optional	
2 Rows ChillBrite® (3000k)	Optional	Optional	

3 Nose Light

	Standard (82/87)	Exclusive (75/80/82)	Doored (83/88)
1 Row ChillBrite® (4000k)	Optional	Optional	
1 Row ChillBrite® (3500k)	Optional	Optional	
1 Row ChillBrite® (3000k)	Optional	Optional	

4 Undershelf Lighting *

	Standard	Exclusive	Doored
ChillBrite® (4000k)	Optional	Optional	
ChillBrite® (3500k)	Optional	Optional	
ChillBrite® (3000k)	Optional	Optional	

*up to 5 rows

5 Shelving

	Standard	Exclusive	Doored
22" Solid Black (2-position)	STANDARD	STANDARD	STANDARD
10"-24" Solid (2" increments) (2 or 4 -position, black or white)	Optional	Optional	Optional
27" Solid (2 or 4 -position, black or white)	Optional		Optional

6 Price Tag Molding

	Standard	Exclusive	Doored
Aluminum Reversible	STANDARD	STANDARD	
Black PVC	Optional	Optional	STANDARD
White PVC	Optional	Optional	Special
Black Anodized	Optional	Optional	
Satin Silver	Optional	Optional	

7 Bottom Wire Rack

	Standard	Exclusive	Doored
24" w/ 2" Front Black Flat (non-adjustable)	STANDARD	STANDARD	
24" w/ 3" Front Black (adjustable)			STANDARD
24" w/ 2" Front White Flat (non-adjustable)	Optional	Optional	
24" w/ 8" Front White (non-adjustable)	Optional	Optional	

Interior Continued



12ORMC82M

STANDARD: basic features & normal lead times

Optional: additional features available & normal lead times

Special: custom features & increased lead time



Exterior

8 Exterior Color

	Standard (82/87)	Exclusive (75/80/82)	Doored (83/88)
Black ZZ-000	STANDARD	STANDARD	STANDARD
See Color Chart for 36 optional colors	Optional	Optional	Optional
Stainless Steel	Special	Special	Special

9 Bumper

	Standard	Exclusive	Doored
3" & 1" Black McCue Individual	STANDARD	STANDARD	STANDARD
3" & 1" Black McCue Continuous	Optional	Optional	
3" & 1" Individual (McCue Color Pallete)	Special	Special	Special

10 Kickplates

	Standard	Exclusive	Doored
Louvered Black	STANDARD	STANDARD	Optional
Flat Black	Optional	Optional	STANDARD

11 Canopy Type

	Standard	Exclusive	Doored
Painted Aluminium	STANDARD	STANDARD	
Flat Trim, Doored Case			STANDARD
Painted, Flat Angled	Optional	Optional	
Stainless, Flat Angled	Special	Special	

12 Hand Rail

	Standard	Exclusive	Doored
Anodized Aluminum	STANDARD	STANDARD	
Black PVC	Optional	Optional	
Glass Front	Optional	Optional	

Controls

13 Sill Height

	Standard (82/87)	Exclusive (75/80/82)	Doored (83/88)
Low Sill	STANDARD	STANDARD	STANDARD
Medium Sill	Optional	Optional	
High Sill	Optional		

Temperature Sensors

	Standard	Exclusive	Doored
CPC Green Temp	STANDARD	STANDARD	STANDARD
Carel Temp	Optional	Optional	
Danfoss Temp	Optional	Optional	
RDM Temp	Optional	Optional	

Defrost Sensors

	Standard	Exclusive	Doored
CPC Orange Defrost	Optional	Optional	
CPC Equivalent Defrost	Optional	Optional	

Available Add-Ons:

- Adjustable Defrost Control
- Adjustable Temp Control (Open Case Only)
- Control Scheme Packages
- Electronic Defrost Controller

Doors

Door Type

	Standard	Exclusive	Doored
CoolView® Ultra™ Black No Heat Glass			STANDARD
CoolView® Ultra™ Satin Silver No Heat Glass			Optional

Door Handle

	Standard	Exclusive	Doored
CoolArc™ Black			STANDARD
CoolArc™ Satin Silver			Optional

Door Swing

	Standard	Exclusive	Doored
French			STANDARD
Left Handle on Right			Optional
Right Handle on Left			Optional

STANDARD: basic features & normal lead times

Optional: additional features available & normal lead times

Special: custom features & increased lead time

Refrigeration

Standard (82/87) **Exclusive (75/80/82)** **Doored (83/88)**

Refrigeration Connection

Inside Case Bottom	STANDARD	STANDARD	STANDARD
ROTB (Refrigeration Out Top Back)	Optional	Optional	Optional
ROTR (Refrigeration Out Top Right)	Special	Special	Special
Pre-Piping/Common Risers (Contact ZZ Sales)	Special	Special	Special

Expansion Valve

Mechanical	STANDARD	STANDARD	STANDARD
Electronic	Optional	Optional	Optional
Specific Brand (Contact ZZ Sales)	Special	Special	Special

Defrost Type

Off Cycle	STANDARD	STANDARD	STANDARD
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Liquid Line Shut Off

Liquid Line Hand Valve	STANDARD	STANDARD	STANDARD
Liquid Line Ball Valve	Optional	Optional	Optional
Specific Brand (Contact ZZ Sales)	Special	Special	Special

Heat Exchanger

No	STANDARD	STANDARD	STANDARD
Yes - Liquid to Suction	Optional	Optional	Optional

- Available Add-Ons:
- Filter and/or Drier
 - Solenoid Valve - Liquid Line

STANDARD: basic features & normal lead times
Optional: additional features available & normal lead times
Special: custom features & increased lead time

Electrical

Standard (82/87) **Exclusive (75/80/82)** **Doored (83/88)**

Fan Motors

Electronic	STANDARD	STANDARD	STANDARD
------------	----------	----------	----------

Electrical Service

115V - 1PH - 60HZ (hot gas low temp/ med temp offcycle)	STANDARD	STANDARD	STANDARD
---	----------	----------	----------

Electrical Connection

ETB (Electric to Bottom Right)	STANDARD	STANDARD	STANDARD
EOB (Electric Out Top)	Optional	Optional	Optional

Also Available

Seismic Restraints	Optional	Optional	Optional
VOC Caulk	Optional	Optional	Optional
Case Control Dimming	Optional	Optional	Optional
Case Control On/Off		Optional	Optional

Accessories

8" or 12" Mirrors	Optional	Optional	
Spray Hose Connection (with or without Hose)	Optional	Optional	
Black Magnetic Night Curtain	Optional	Optional	
Black Hook Night Curtain	Optional	Optional	

Other Features



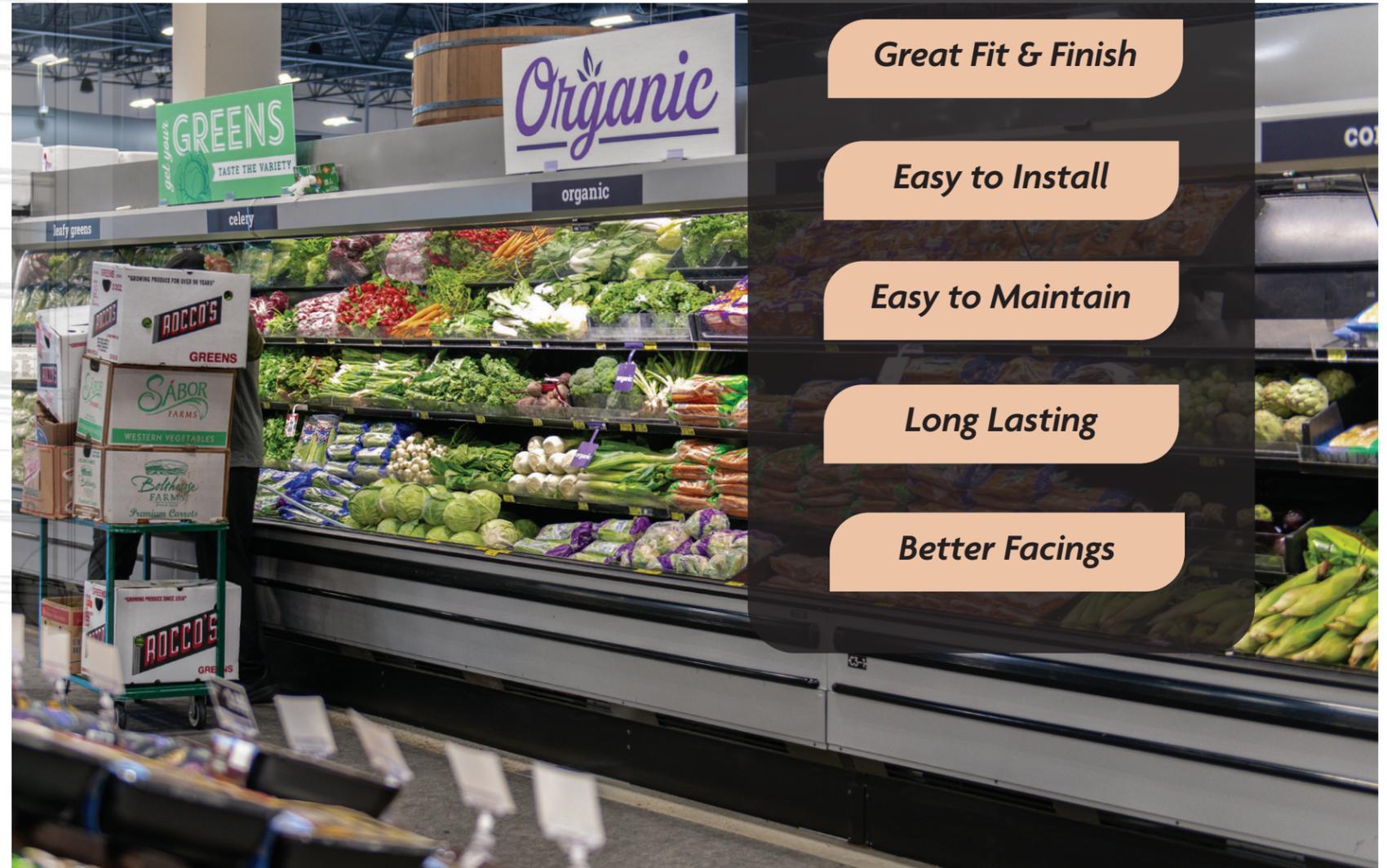
THE

REVEAL merchandiser®

4ft • 6ft • 8ft • 12ft

Zero Zone's multi-deck cases offer versatile configurations and ample packout space, catering to the specific requirements of food retailers without the need for bulky displays. In addition to their eye-catching design, these multi-deck cases uphold the same exceptional quality and durability that have solidified Zero Zone's position as an industry leader.

- **CANOPY**
Rounded or angled canopy for a modern look in your store
- **DECK**
Up to 6-decks with product sitting high to give market style appearance
- **END CONDITIONS**
Solid, mirrored, or windowed ends
- **ADJUSTABLE BOTTOM RACK**
Steeper angle on bottom wire rack with 87" case
- **SILL**
Low, medium, high sill options
- **LIGHTING**
4000K, 2 rows of canopy, undershelf and nose lighting + night curtain



- Great Fit & Finish
- Easy to Install
- Easy to Maintain
- Long Lasting
- Better Facings

PRODUCE



MEAT



BEVERAGE



DOORED



HYBRID



DAIRY/DELI



- With a sill height of 27" from the floor, fresh produce is easy to access and presented in a friendly manner.
- Elevate the presentation of fresh meat with ChillBrite® 3500K lighting and adjustable shelves.
- Reveal open cases are perfect for grab 'n go destinations giving customers quick access and easy line of sight to their favorite bottled beverage
- Love the look of the Reveal Merchandiser® but want to save on energy costs, maintain packout and ease of access with our Reveal with Doors.
- Eliminate the need for a refrigeration system in your back room with a field-installed top-mount condensing unit kit.
- Designed and built in America's Dairyland, the Reveal Merchandiser perfectly displays all your unique cheeses and deli items, encouraging cross-merchandising and upselling.



NOMENCLATURE

We offer two varieties of Multi Decks: The Reveal Merchandiser® Open Multi-Deck and the Reveal Merchandiser® Multi-Deck with Doors. These cases expand the spectrum of merchandising solutions available through Zero Zone, providing retailers with a broader selection. The open multi-decks seamlessly complement Zero Zone's glass door display cases in terms of style, merchandising attributes, quality, and environmentally responsible energy efficiency.

8 O R M C X X L - D

- ① **Length in Feet**
4, 6, 8, 12
- ② **Type of Case**
O = Open (Multi-Deck)
R = Reveal Merchandiser®
M = Medium Temp
C = Cantilever Shelving
- ③ **Case Height in Inches**
75, 80, 82, 83, 87, 88
- ④ **Sill Height**
L = Low
M = Medium
H = High
D = Doors
- ⑤ **Applications**
B = Beverage
D = Dairy/ Deli
F = Floral
M/MX = Meat/Meat Exclusive
P/PX = Produce/Produce Exclusive



Standard cases available in 82" and 87" heights



Hybrid cases available in 82" and 83" heights



Reveal with doors available in 83" and 88" heights



Meat Exclusive cases available in 75" and 80" heights



Produce Exclusive cases available in 80" and 82" heights



Reveal Merchandiser® ORMC(82/87) Remote Specs

Medium Temp Open Multi-Deck Remote Display Cases

4', 6', 8', and 12' Long Cases with Low (L), Medium (M), or High (H) Sills;
Beverage (B), Dairy or Deli (D), Produce (P), and Meat (M)

Quick Specs

Energy (Btu/h per Foot)*

	Btu/h	Evaporator
ORMC82	1,265	26°F
ORMC82-M	1,345	22°F
ORMC87	1,395	26°F

*when used with parallel rack system

Merchandising (Per Foot)

Facings: 55.4 ft² with Medium Sill
ORMC82 Packout: 85.7 ft³ with four 22" Shelves
ORMC87 Packout: 129.4 ft³ with four 22" shelves

Features & Options

Go Green

Remote cases ready for CO₂

Additional Models

See separate spec sheets for Meat Exclusive, Produce Exclusive, and Doored cases on the Zero Zone website.

LED Lighting

ChillBrite® 4000K LED Lighting for the canopy, sill, or undershelf

Low, Medium, or High Sills

Maximize facings with the low sill, maximize efficiency with the high sill, or balance both with the medium sill.

Enhance Your Reveal

Options include mirrors, night curtains, spray hose connection, and more.

Hybrid™ Display Case

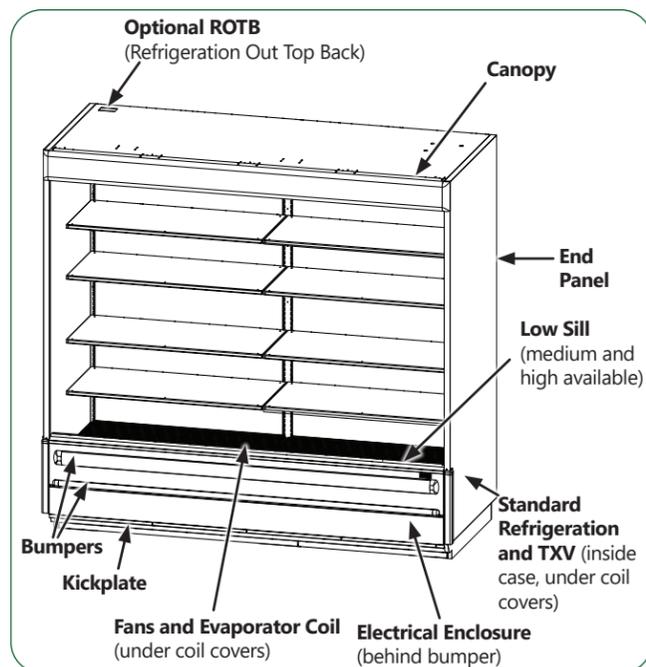
Available as Hybrid™ cases. See separate spec sheet.



Manuals and Instructions:
<https://www.zero-zone.com/ormc>

Specifications are subject to change without notice. All dimensions are nominal.
 Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.

Applications



Refrigeration Data



Set Points	Per Foot Avg	
	B/D/P	M
Evaporator Temperature (°F) ^{1,2}	26	22
Discharge Air Temperature (°F) (w/ 8°F Superheat) ³	34	30
Discharge Air Velocity (fpm) ⁴	260	260

Notes:

- For high-glide refrigerants, use dew point for unit sizing. Adjust evaporator pressure as needed to maintain discharge air temperatures.
- Evaporator temperatures listed above are for unlit, flat shelves. Evaporator temperatures may need to be reduced for lit and/or angled shelves or aftermarket display accessories.
- Discharge air temperature is measured at the outlet of the honeycomb.
- Discharge air velocity is average velocity at peak of defrost.



Energy Use with Parallel Rack System ⁶	Lineup Data		Individual Case Data ⁵							
	Per Foot Avg		4'		6'		8'		12'	
	B/D/P	M	B/D/P	M	B/D/P	M	B/D/P	M	B/D/P	M
ORMC82 Baseline Btu/h	1,265	1,345	5,595	5,930	8,230	8,730	10,765	11,415	15,830	16,790
ORMC87 Baseline Btu/h	1,395	---	6,150	---	9,055	---	11,840	---	17,410	---
Energy Use with Condensing Unit ⁶	B/D/P	M	B/D/P	M	B/D/P	M	B/D/P	M	B/D/P	M
ORMC82 Baseline Btu/h (R-404A)	1,380	1,495	6,100	6,585	8,970	9,690	11,735	12,670	17,255	18,635
ORMC87 Baseline Btu/h (R-404A)	1,520	---	6,705	---	9,870	---	12,905	---	18,975	---
ORMC82 Baseline Btu/h (R-448A)	1,440	1,535	6,380	6,760	9,380	9,950	12,270	13,015	18,045	19,140
ORMC87 Baseline Btu/h (R-448A)	1,590	---	7,010	---	10,325	---	13,500	---	19,850	---
Btu/h Deducts	Per Foot Avg		4'		6'		8'		12'	
High Sill	-40		-160		-240		-320		-480	
Btu/h Adders	Per Foot Avg		4'		6'		8'		12'	
Low Sill	+40		+160		+240		+320		+480	
Canopy Lights (ChillBrite® 4000K) 2nd Row	+13		+52		+78		+104		+156	
Sill Lights (ChillBrite® 4000K) 1 Row	+7		+28		+42		+56		+84	
Undershelf Lights (ChillBrite® 4000K) Per Row	+10		+40		+60		+80		+120	

Notes:

- Individual case data includes 1 pair of end panels.
- Baseline Evaporator Btu/h based on 1 row LED canopy lighting (Zero Zone ChillBrite® 4000K), ECM or SSC electronic fan motors, 4 rows of 22" flat shelves, and medium sill height.



Refrigeration Piping: R-404A & R-448A ⁷	Outlet Size (in.)			
	4'	6'	8'	12'
Suction Line O.D. (Top Refrigeration Exit)	5/8	5/8	7/8	7/8
Liquid Line O.D. (Off Cycle Defrost)	3/8	3/8	3/8	3/8
Refrigeration Piping: CO ₂ ⁷	4'	6'	8'	12'
Suction Line O.D. (Top Refrigeration Exit)	1/2	1/2	1/2	1/2
Liquid Line O.D. (Off Cycle Defrost)	3/8	3/8	1/2	1/2

Notes:

- Read the Installation & Operation Manual for more about refrigeration piping to properly size individual risers for circuits of more than one case.





Electrical & Energy Data ⁸

ORMC82	Per Foot Avg.	4'		6'		8'		12'	
Number of Fans		2		2		2		4	
Fan Motors ORMC82 (115V)	Amps Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High-Efficiency Electronic (ECM or SSC)	0.14 7.7	0.84	42	0.84	42	0.84	63	1.26	84

ORMC87	Per Foot Avg.	4'		6'		8'		12'	
Number of Fans		2		2		3		4	
Fan Motors ORMC87 (115V)	Amps Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High-Efficiency Electronic (ECM or SSC)	0.16 7.7	0.84	42	0.84	42	1.26	63	1.68	84

Lighting System ORMC(82/87) (120V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
Canopy LED Lights Per Row	0.047	5.8	0.19	23	0.28	35	0.38	46	0.56	69
Sill LED Lights 1 Row	0.023	2.9	0.09	12	0.14	17	0.19	23	0.28	35
Undershelf LED Lights Per Row	0.012	1.5	0.05	6	0.07	9	0.10	12	0.14	17

Notes:
8. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.

Physical Data

Merchandising	4'	6'	8'	12'
Facings (ft. ²) with Medium Sill	21.1	31.7	42.2	63.4
ORMC82 Packout (ft. ³) with 4 rows of 22" Deep Shelves	28.6	42.8	57.1	85.7
ORMC87 Packout (ft. ³) with 4 rows of 22" Deep Shelves	43.1	64.7	86.3	129.4
Shipping Weight without End Panels ⁹	4'	6'	8'	12'
ORMC82 Weight (lbs.)	452	678	791	1,222
ORMC87 Weight (lbs.)	468	702	819	1,265
Shipping Weight with Solid End Panels ⁹	4'	6'	8'	12'
ORMC82 Weight (lbs.)	512	738	851	1,282
ORMC87 Weight (lbs.)	528	762	879	1,325

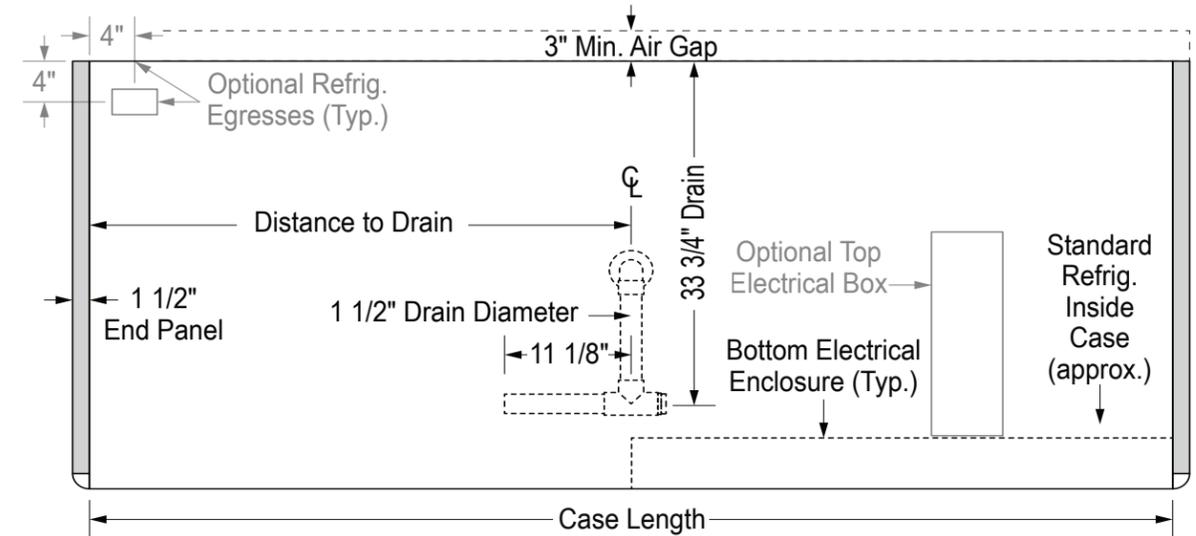
Notes:
9. Each solid end panel: 30 lbs.

Operating Set Points

Off-Cycle Defrost	R-404A		R-448A		CO ₂	
	B/D/P	M	B/D/P	M	B/D/P	M
Time Per Defrost (Minutes)	30	36	30	30	30	36
Drip Time (Minutes)	N/A	N/A	N/A	N/A	N/A	N/A
EPR Settings (psig)	64	58	56	51	448	420
Frequency (Per Day)	4	4	6	6	4	4



ORMC(82/87) Top View



Case Dimensions

Measurements	4'	6'	8'	12'
Case Length (in.) without End Panels	48	72	96	144
Case Length (in.) with End Panels	51	75	99	147
Distance to Drain (in.)	24	36	48	72



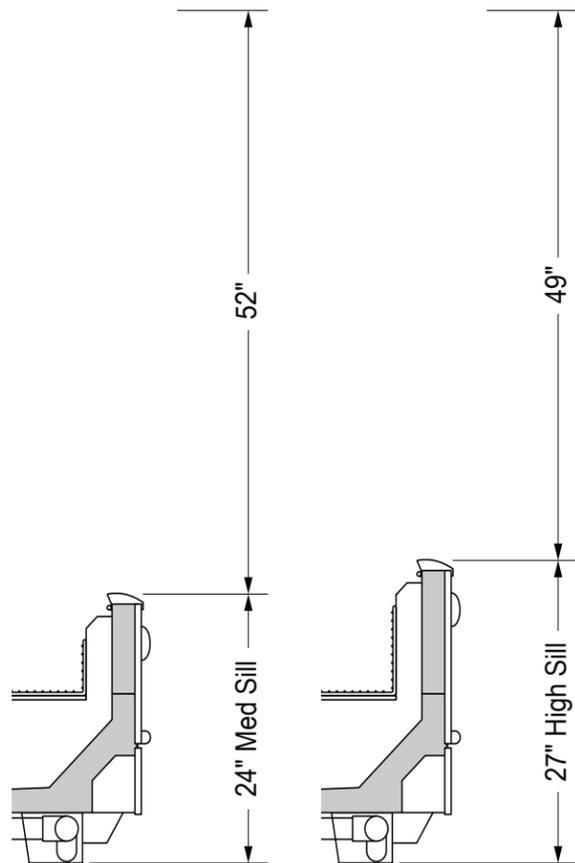
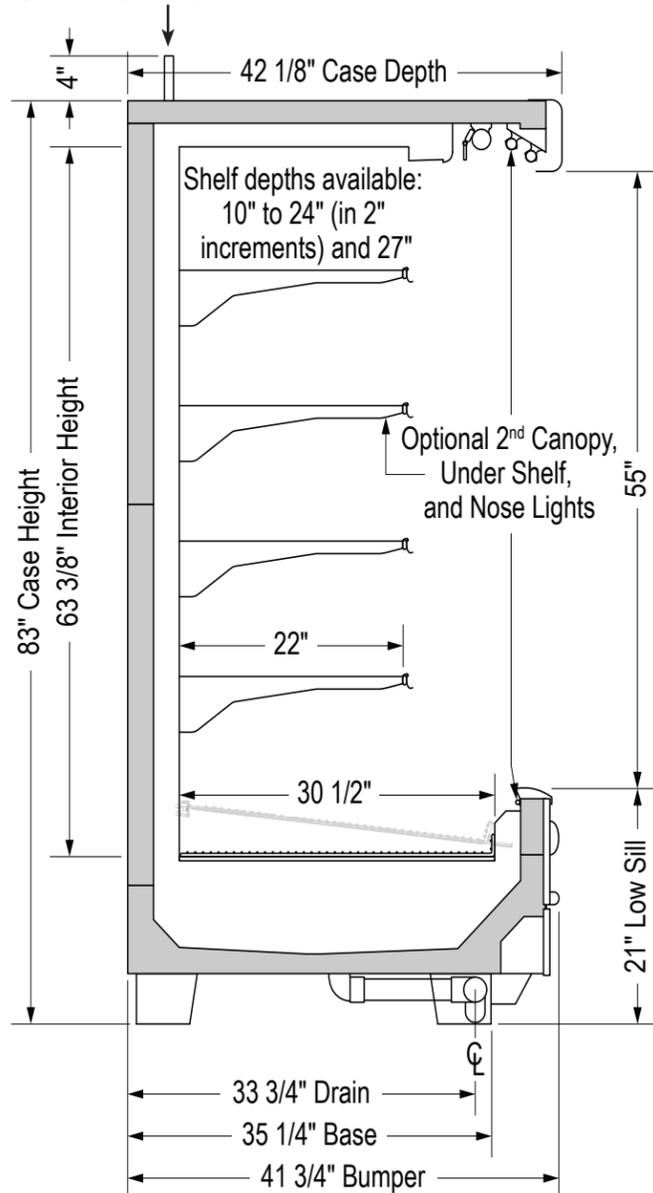
ORMC82 End View

Shipping height notes:

- Shipping height is equal to case height minus hat channel rails, if applicable.
- Optional Top Refrigeration Connection

Shelf Notes:

- 4 shelves shown. Up to 7 available.
- Shelf depths available: 10" to 24" (in 2" increments) and 27".
- If 24" shelves are used at an angle, the top shelf must be 22" or less due to the load limit.
- 2-position (0°,10°) or 4-position (0°,5°,10°,15°) shelves
- Load limit line affects the allowable depth of shelves.



Light Notes:

- One row of canopy lights is standard.
- Undershaft lights, sill lights, and second row of canopy lights is optional. Up to 5 undershaft lights per case.

Base Notes:

- Base heights available: 3 1/2", 4 1/2", or 5 1/2".
- Changing bases affects case height and shipping height.
- Drain height from floor: 3 1/8" with 5 1/2" base.



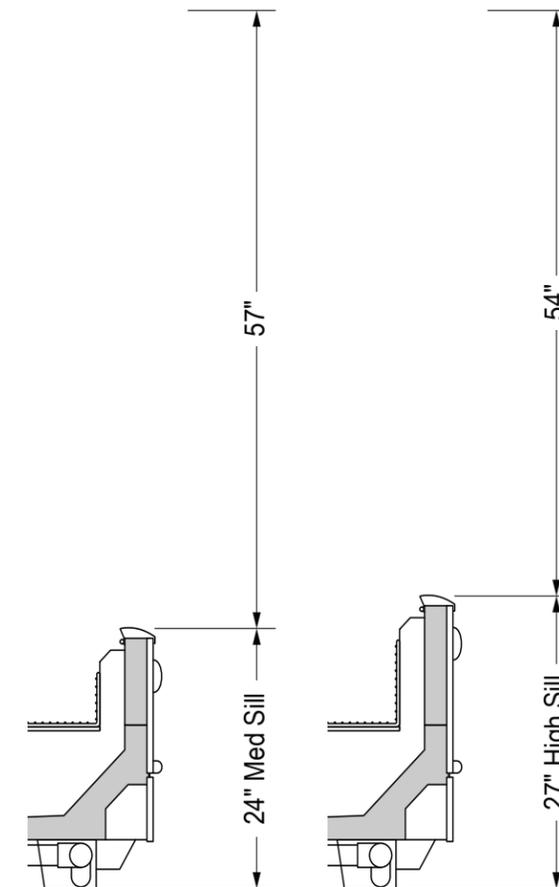
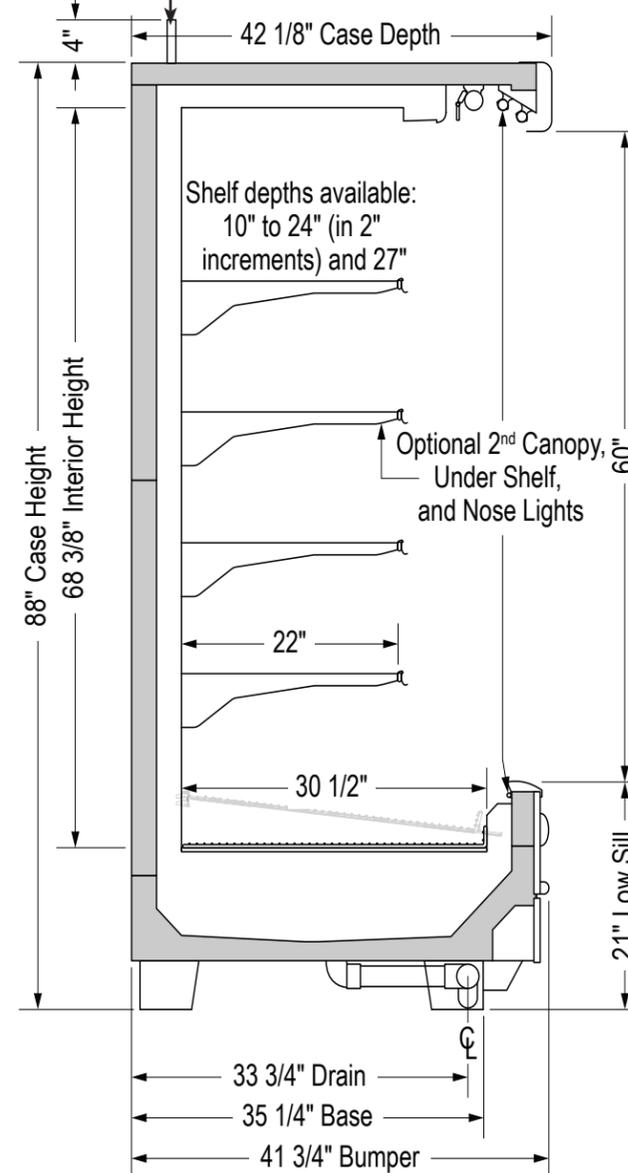
ORMC87 End View

Shipping height notes:

- Shipping height is equal to case height minus hat channel rails, if applicable.
- Optional Top Refrigeration Connection

Shelf Notes:

- 4 shelves shown. Up to 7 available.
- Shelf depths available: 10" to 24" (in 2" increments) and 27".
- If 24" shelves are used at an angle, the top shelf must be 22" or less due to the load limit.
- 2-position (0°,10°) or 4-position (0°,5°,10°,15°) shelves
- Load limit line affects the allowable depth of shelves.



Base Notes:

- Base heights available: 3 1/2", 4 1/2", 5 1/2", or 6 1/2".
- Changing bases affects case height and shipping height.
- Drain height from floor: 3 1/8" with 4 1/2" base

Light Notes:

- One row of canopy lights is standard.
- Undershaft lights, sill lights, and second row of canopy lights is optional. Up to 5 undershaft lights per case.



REVEAL
merchandiser®

Reveal Merchandiser® ORMC(75/80)-MX Remote Specs
Medium Temp Open Multi-Deck Remote Display Cases
4', 6', 8', and 12' Cases with Low (L) or Medium (M) Sills; Meat Exclusive (MX)

Quick Specs

Energy (Btu/h)*
Meat: 1,365 at 27°F Evaporator
*when used with parallel rack system

Merchandising
Facings: 55.4 ft² with Medium Sill
Packout: 85.7 ft³ with four 22" Shelves

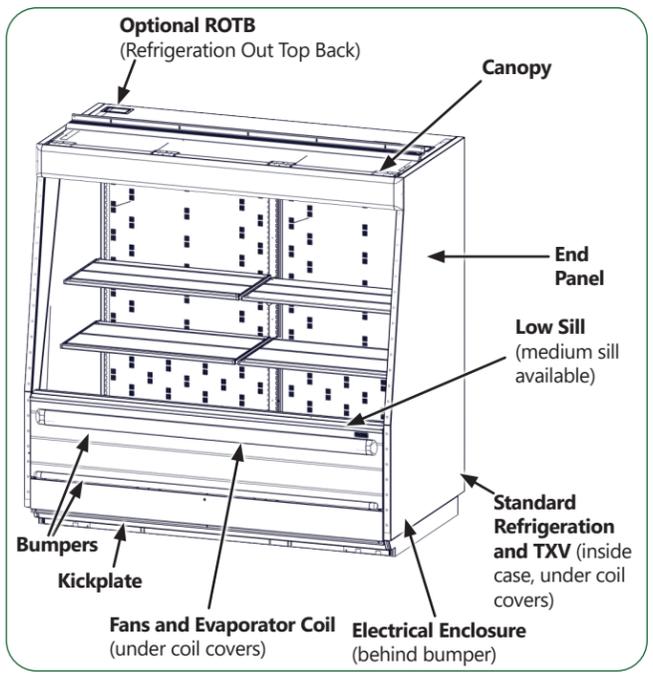
Features & Options

- Go Green**
Remote cases ready for CO₂
- Specialty Cases**
See separate spec sheets for Standard, Beverage, Dairy, Deli, and Produce Exclusive cases on the Zero Zone website
- LED Lighting**
ChillBrite® 3500K LED Lighting for the canopy, sill, or undershelf
- Low and Medium Sills**
Maximize facings with the low sill, or increase efficiency with the medium sill.
- Enhance Your Reveal**
Options include mirrors, night curtains, spray hose connection, and more.
- Hybrid™ Display Case**
Available as Hybrid™ cases. See separate spec sheet.

Applications



Meat



Contact Us:
800-247-4496
www.zero-zone.com

Manuals and Instructions:
<https://www.zero-zone.com/ormc>

Specifications are subject to change without notice. All dimensions are nominal.
Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.



Reveal Merchandiser® ORMC(75/80)-MX Specs

ORMC75-MX and ORMC80-MX

Refrigeration Data



Set Points	Per Foot Avg
Evaporator Temperature (°F) ^{1,2}	27
Discharge Air Temperature (°F) (w/ 8°F Superheat) ³	33
Discharge Air Velocity (fpm) ⁴	230

Notes:

- For high-glide refrigerants, use dew point for unit sizing. Adjust evaporator pressure as needed to maintain discharge air temperatures.
- Evaporator temperatures listed above are for unlit, flat shelves. Evaporator temperatures may need to be reduced for lit and/or angled shelves or aftermarket display accessories.
- Discharge air temperature is measured at the outlet of the honeycomb.
- Discharge air velocity is average velocity at peak of defrost.



Energy Use with Parallel Rack System ⁶	Lineup Data	Meat Exclusive			
		Individual Case Data ⁵			
	Per Foot Avg	4'	6'	8'	12'
ORMC(75/80)-MX Baseline Btu/h	1,365	5,980	8,800	11,505	16,910
Energy Use with Condensing Unit ⁶	Per Foot Avg	4'	6'	8'	12'
ORMC(75/80)-MX Baseline Btu/h (R-404A)	1,515	6,640	9,770	12,770	18,770
ORMC(75/80)-MX Baseline Btu/h (R-448A)	1,555	6,820	10,030	13,115	19,280
Btu/h Deducts	Per Foot Avg	4'	6'	8'	12'
Low Sill with Glass Front	-100	-400	-600	-800	-1,200
Medium Sill	-40	-160	-240	-320	-480
Medium Sill with Glass Front	-140	-560	-840	-1,120	-1,680
Btu/h Adders	Per Foot Avg	4'	6'	8'	12'
Canopy Lights (ChillBrite® 4000K) 2nd Row	+13	+52	+78	+104	+156
Sill Lights (ChillBrite® 4000K) 1 Row	+7	+28	+42	+56	+84
Undershelf Lights (ChillBrite® 4000K) Per Row	+10	+40	+60	+80	+120

Notes:

- Individual case data includes 1 pair of end panels.
- Baseline Evaporator Btu/h based on 1 row LED canopy lighting (Zero Zone ChillBrite® 3500K), ECM or SSC electronic fan motors, 4 rows of 22" flat shelves, and low sill height.



Refrigeration Piping: R-404A & R-448A ⁷	Outlet Size (in.)			
	4'	6'	8'	12'
Suction Line O.D. (Top Refrigeration Exit)	5/8	5/8	7/8	7/8
Liquid Line O.D. (Off Cycle Defrost)	3/8	3/8	3/8	3/8
Refrigeration Piping: CO ₂ ⁷	4'	6'	8'	12'
Suction Line O.D. (Top Refrigeration Exit)	1/2	1/2	1/2	1/2
Liquid Line O.D. (Off Cycle Defrost)	3/8	3/8	1/2	1/2

Notes:

- Use 0.5 lb/ft evaporator refrigerant charge for receiver sizing.



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Electrical & Energy Data ⁸



	Per Foot Avg.		4'		6'		8'		12'	
	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
Number of Fans			2		2		2		3	
Fan Motors (115V)										
High-Efficiency Electronic (ECM or SSC)	0.11	7.7	0.84	42	0.84	42	0.84	63	1.26	84
Lighting System (120V)										
Canopy LED Lights Per Row	0.047	5.8	0.19	23	0.28	35	0.38	46	0.56	69
Sill LED Lights 1 Row	0.023	2.9	0.09	12	0.14	17	0.19	23	0.28	35
Undershelf LED Lights Per Row	0.012	1.5	0.05	6	0.07	9	0.10	12	0.14	17

Notes:
8. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.

Physical Data



Merchandising	4'	6'	8'	12'
Facings (ft. ²)	18.5	27.8	36.9	55.4
ORMC(75/80)-MX Packout (ft. ³) with 4 rows of 22" Deep Shelves	28.6	42.8	57.1	85.7
Shipping Weight ⁹	4'	6'	8'	12'
ORMC(75/80)-MX Weight (lbs.) without End Panels	452	678	791	1,222
ORMC(75/80)-MX Weight (lbs.) with Solid End Panels	512	738	851	1,282
ORMC(75/80)-MX Weight (lbs.) with Windowed End ¹⁰	552	778	891	1,322

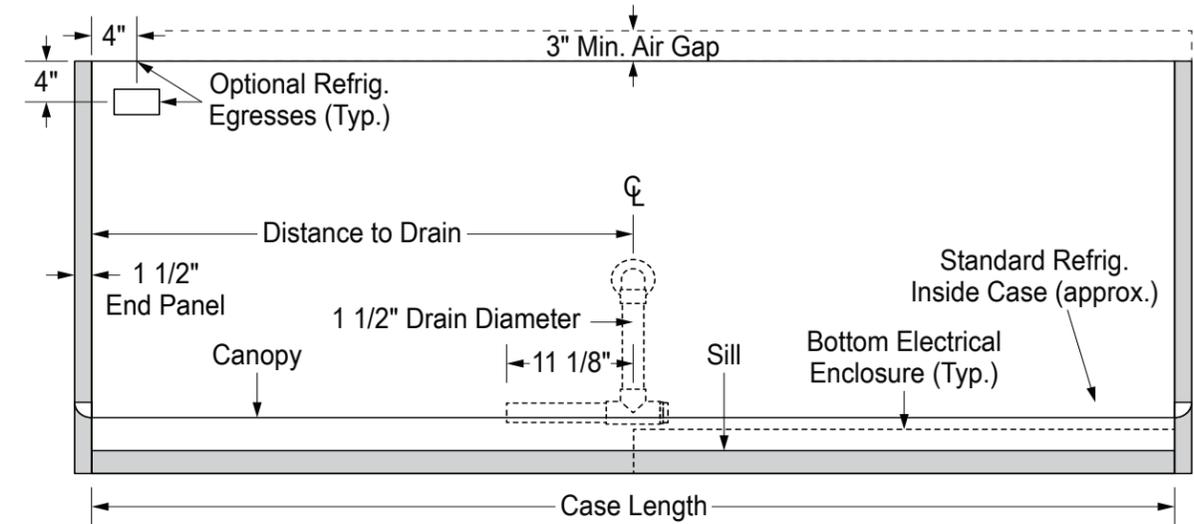
Notes:
9. Each solid end panel: 30 lbs. Each windowed end: 50 lbs.
10. Glass windowed end panels only available with 2 1/2" end panels.

Operating Set Points

Off-Cycle Defrost	R-404A	R-448A	CO ₂
Time Per Defrost (Minutes)	36	30	36
Drip Time (Minutes)	N/A	N/A	N/A
EPR Settings (psig)	65	57	455
Frequency (Per Day)	4	6	4



ORMC(75/80)-MX Top View



Case Dimensions



Measurements	4'	6'	8'	12'
Case Length (in.) without End Panels	48	72	96	144
Case Length (in.) with End Panels	51	75	99	147
Distance to Drain (in.)	24	36	48	72



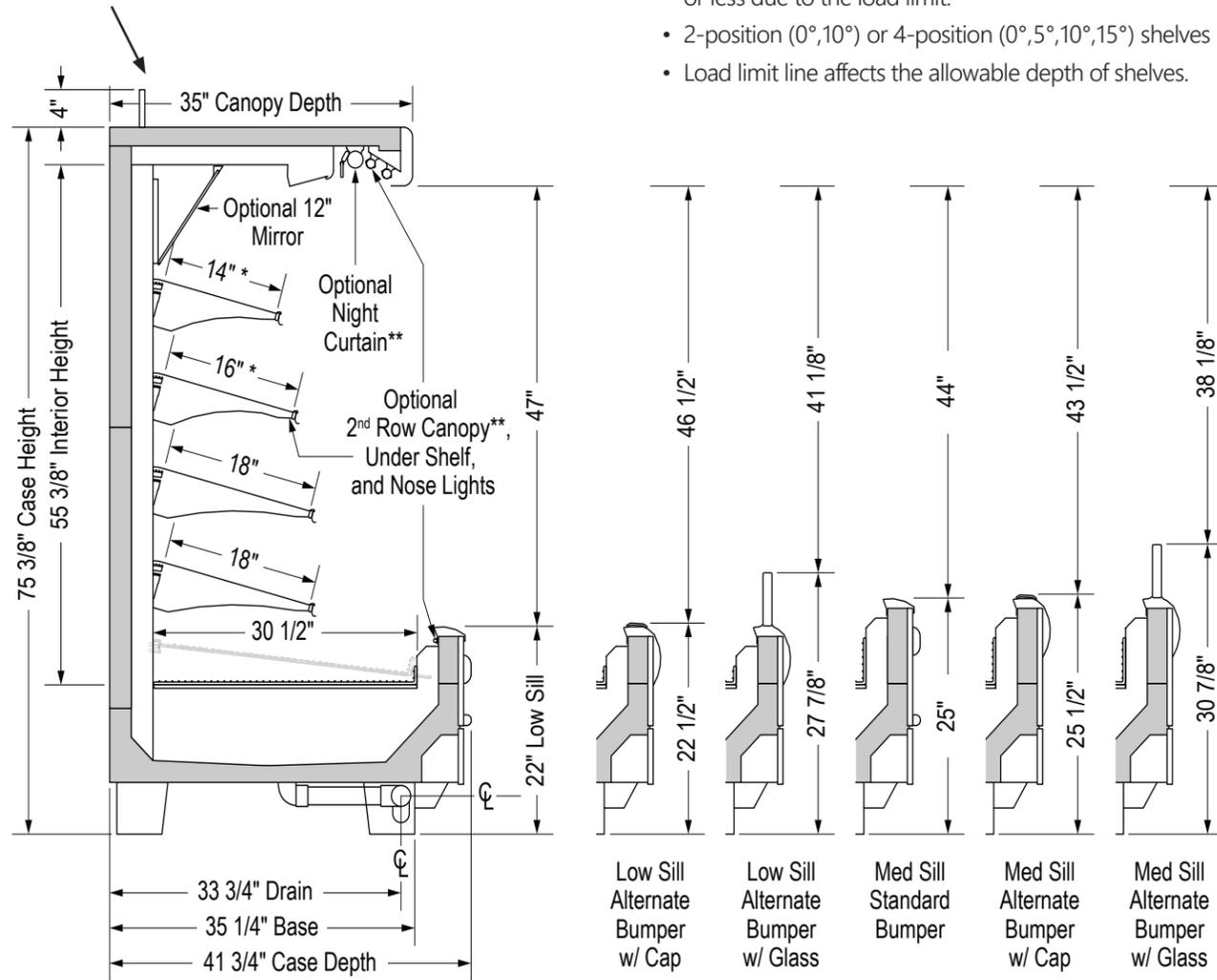
ORMC80-MX End View

Shipping height notes:

- Shipping height is equal to case height minus hat channel rails, if applicable.
- Optional Top Refrigeration Connection

Shelf Notes:

- 4 shelves shown.
- Shelf depths available: 10" to 24" (in 2" increments) and 27".
- If 24" shelves are used at an angle, the top shelf must be 22" or less due to the load limit.
- 2-position (0°,10°) or 4-position (0°,5°,10°,15°) shelves
- Load limit line affects the allowable depth of shelves.



Base Notes:

- Base heights available: 3 1/2", 4 1/2", 5 1/2", or 10 1/2".
- Changing bases affects case height and shipping height.
- Drain height from floor: 4 5/8" with 5 1/2" base.

Light Notes:

- One row of canopy lights is standard.
- Undershelf lights, sill lights, and second row of canopy lights is optional.
- Available with night curtain
- If night curtain is chosen, only one row of canopy lights fits.



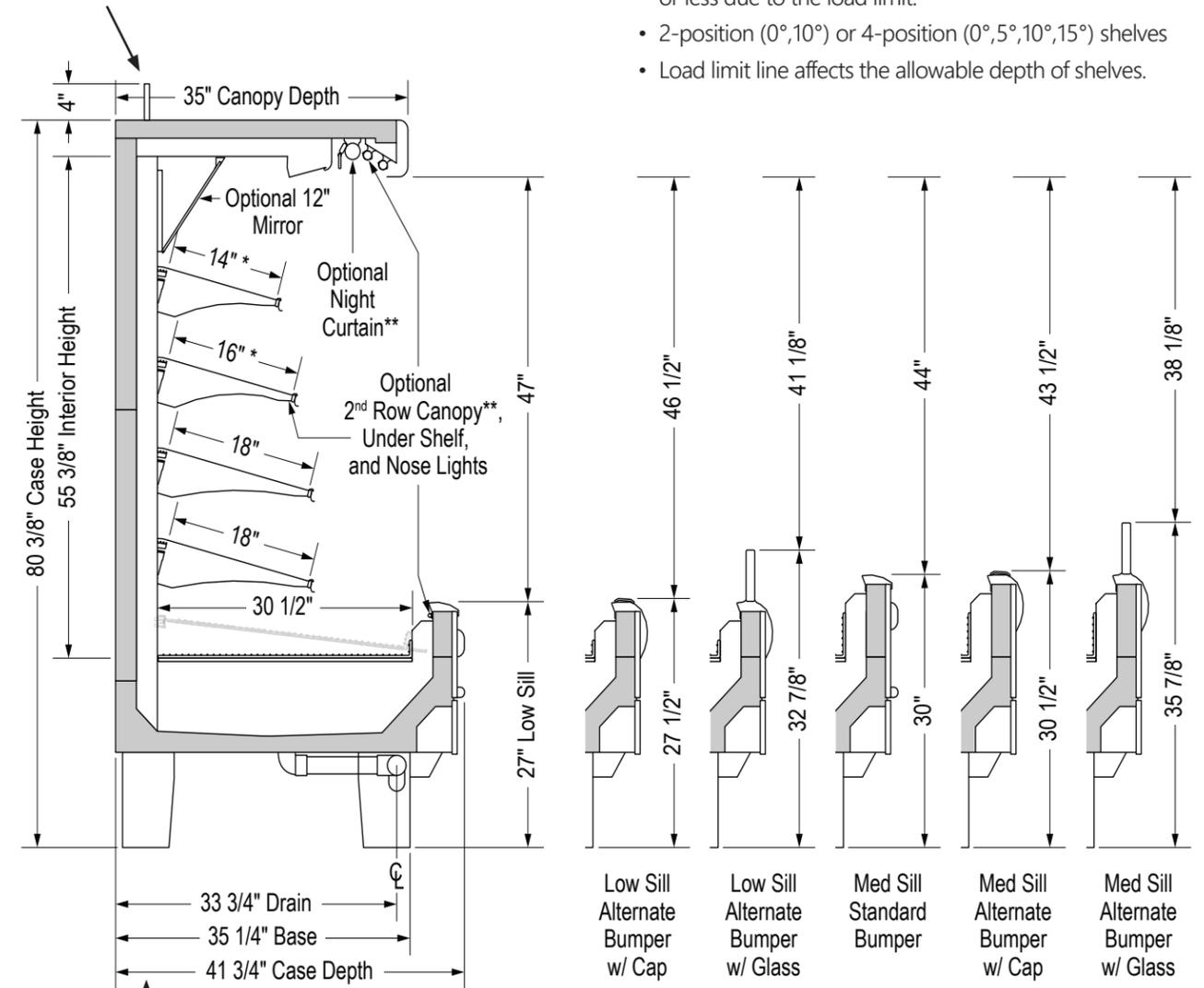
ORMC80-MX End View

Shipping height notes:

- Shipping height is equal to case height minus hat channel rails, if applicable.
- Optional Top Refrigeration Connection

Shelf Notes:

- 4 shelves shown.
- Shelf depths available: 10" to 24" (in 2" increments) and 27".
- If 24" shelves are used at an angle, the top shelf must be 22" or less due to the load limit.
- 2-position (0°,10°) or 4-position (0°,5°,10°,15°) shelves
- Load limit line affects the allowable depth of shelves.



Base Notes:

- Base heights available: 3 1/2", 4 1/2", 5 1/2", or 10 1/2".
- Changing bases affects case height and shipping height.
- Drain height from floor: 9 5/8".

Light Notes:

- One row of canopy lights is standard.
- Undershelf lights, sill lights, and second row of canopy lights is optional.
- Available with night curtain
- If night curtain is chosen, only one row of canopy lights fits.



Reveal Merchandiser® ORMC(80/82)-PX Remote Specs

Medium Temp Open Multi-Deck Remote Display Cases

4', 6', 8', and 12' Long Cases with Low (L) or Medium (M) Sills; Produce Exclusive (PX)

Quick Specs

Energy (Btu/h)*

Produce: 1,270 at 28°F Evaporator
*when used with parallel rack system

Merchandising

Facings: 55.4 ft² with Medium Sill
Packout: 85.7 ft³ with four 22" Shelves

Features & Options

Go Green

Remote cases ready for CO₂

Additional Models

See separate spec sheets for Standard, Beverage, Dairy, Deli, and Meat Exclusive cases on the Zero Zone website

LED Lighting

ChillBrite® 4000K LED Lighting for the canopy, sill, or undershelf

Low or Medium

Maximize facings with the low sill, or maximize efficiency with the with the medium sill.

Enhance Your Reveal

Options include mirrors, night curtains, spray hose connection, and more.

Hybrid™ Display Case

Available as Hybrid™ cases. See separate spec sheet.

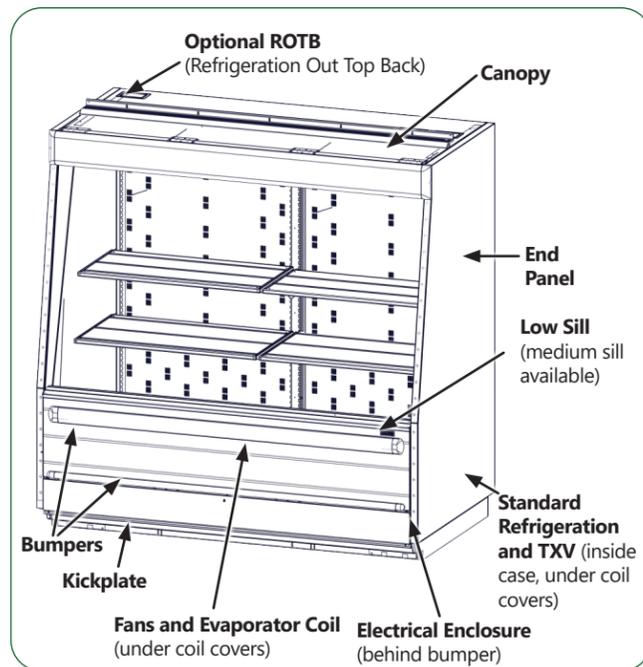


Manuals and Instructions:
<https://www.zero-zone.com/ormc>

Applications



Produce



Contact Us:

800-247-4496
www.zero-zone.com

Specifications are subject to change without notice. All dimensions are nominal.
Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.



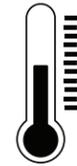
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Reveal Merchandiser® ORMC(80/82)-PX Specs

ORMC80-PX and ORMC82-PX

Refrigeration Data



Set Points	Per Foot Avg
Evaporator Temperature (°F) ^{1,2}	28
Discharge Air Temperature (°F) (w/ 8°F Superheat) ³	37
Discharge Air Velocity (fpm) ⁴	230

Notes:

- For high-glide refrigerants, use dew point for unit sizing. Adjust evaporator pressure as needed to maintain discharge air temperatures.
- Evaporator temperatures listed above are for unlit, flat shelves. Evaporator temperatures may need to be reduced for lit and/or angled shelves or aftermarket display accessories.
- Discharge air temperature is measured at the outlet of the honeycomb.
- Discharge air velocity is average velocity at peak of defrost.



Energy Use with Parallel Rack System ⁶	Lineup Data	Individual Case Data ⁵			
	Per Foot Avg	4'	6'	8'	12'
ORMC(80/82)-PX Baseline Btu/h	1,270	5,565	8,190	10,705	15,735
Energy Use with Condensing Unit ⁶	Per Foot Avg	4'	6'	8'	12'
ORMC(80/82)-PX Baseline Btu/h (R-404A)	1,410	6,180	9,090	11,885	17,465
ORMC(80/82)-PX Baseline Btu/h (R-448A)	1,450	6,345	9,335	12,205	17,940
Btu/h Deducts	Per Foot Avg	4'	6'	8'	12'
Low Sill with Glass Front	-100	-400	-600	-800	-1,200
Medium Sill	-40	-160	-240	-320	-480
Medium Sill with Glass Front	-140	-560	-840	-1,120	-1,680
Btu/h Adders	Per Foot Avg	4'	6'	8'	12'
Canopy Lights (ChillBrite® 4000K) 2nd Row	+13	+52	+78	+104	+156
Sill Lights (ChillBrite® 4000K) 1 Row	+7	+28	+42	+56	+84
Undershelf Lights (ChillBrite® 4000K) Per Row	+10	+40	+60	+80	+120

Notes:

- Individual case data includes 1 pair of end panels.
- Baseline Evaporator Btu/h based on 1 row LED canopy lighting (Zero Zone ChillBrite® 4000K), ECM or SSC electronic fan motors, 4 rows of 22" flat shelves, and low sill height.



Refrigeration Piping: R-404A & R-448A ⁷	Outlet Size (in.)			
	4'	6'	8'	12'
Suction Line O.D. (Top Refrigeration Exit)	5/8	5/8	7/8	7/8
Liquid Line O.D. (Off Cycle Defrost)	3/8	3/8	3/8	3/8
Refrigeration Piping: CO ₂ ⁷	4'	6'	8'	12'
Suction Line O.D. (Top Refrigeration Exit)	1/2	1/2	1/2	1/2
Liquid Line O.D. (Off Cycle Defrost)	3/8	3/8	1/2	1/2

Notes:

- Use 0.5 lb/ft evaporator refrigerant charge for receiver sizing.



Electrical & Energy Data ⁸



ORMC(80/82)	Per Foot Avg.		4'		6'		8'		12'	
Number of Fans			2		2		3		4	
Fan Motors (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High-Efficiency Electronic (ECM or SSC)	0.16	7.7	0.84	42	0.84	42	1.26	63	1.68	84
Lighting System (120V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
Canopy LED Lights Per Row	0.047	5.8	0.19	23	0.28	35	0.38	46	0.56	69
Sill LED Lights 1 Row	0.023	2.9	0.09	12	0.14	17	0.19	23	0.28	35
Undershelf LED Lights Per Row	0.012	1.5	0.05	6	0.07	9	0.10	12	0.14	17

Notes:
8. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.

Physical Data



Merchandising	4'	6'	8'	12'
Facings (ft. ²) with Medium Sill	18.5	27.8	36.9	55.4
ORMC(80/82)-PX Packout (ft. ³) with 4 rows of 22" Deep Shelves	28.6	42.8	57.1	85.7
Shipping Weight ⁹	4'	6'	8'	12'
ORMC(80/82)-PX Weight (lbs.) without End Panels	452	678	791	1,222
ORMC(80/82)-PX Weight (lbs.) with Solid End Panels	512	738	851	1,282
ORMC(80/82)-PX Weight (lbs.) with Windowed End ¹⁰	552	778	891	1,322

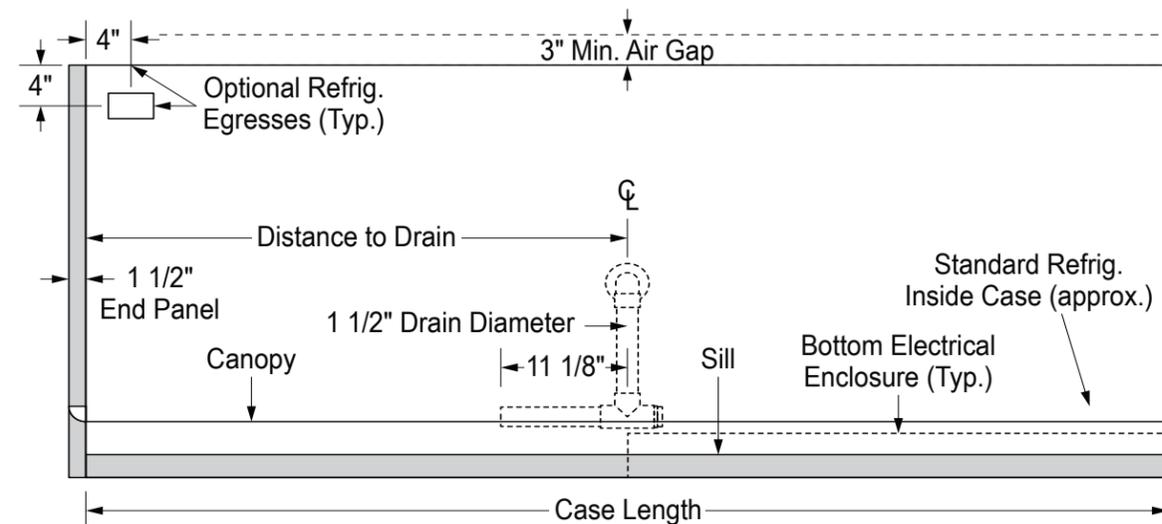
Notes:
9. Each solid end panel: 30 lbs. Each windowed end: 50 lbs.
10. Glass windowed end panels only available with 2 1/2" end panels.

Operating Set Points

Off-Cycle Defrost	R-404A	R-448A	CO ₂
Time Per Defrost (Minutes)	36	30	30
Drip Time (Minutes)	N/A	N/A	N/A
EPR Settings (psig)	66	59	462
Frequency (Per Day)	4	6	4



ORMC(80/82)-PX Top View



Case Dimensions



Measurements	4'	6'	8'	12'
Case Length (in.) without End Panels	48	72	96	144
Case Length (in.) with End Panels	51	75	99	147
Distance to Drain (in.)	24	36	48	72



Reveal Merchandiser® ORMC(80/82)-PX Specs

ORMC80-PX and ORMC82-PX

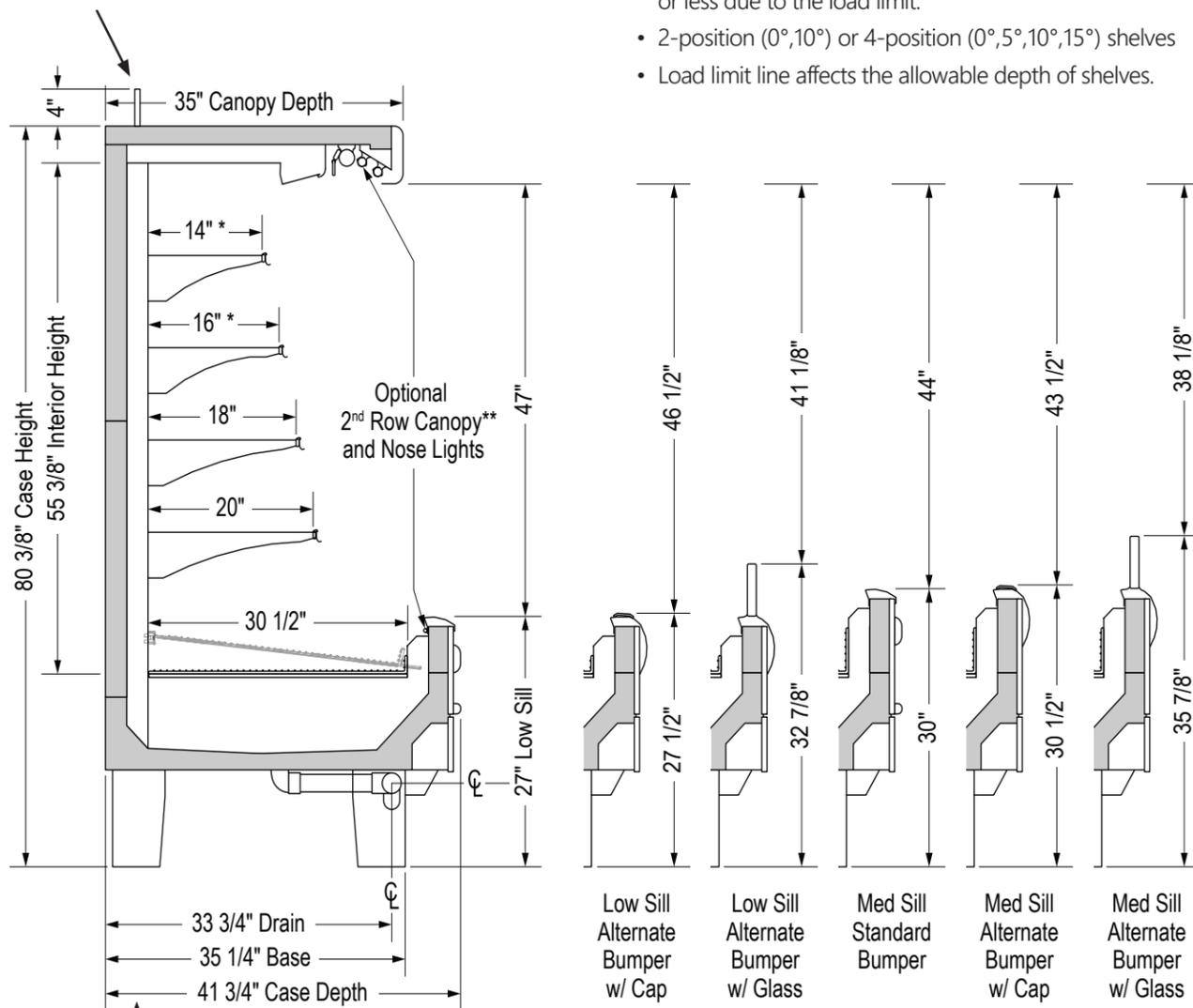
ORMC80-PX End View

Shipping height notes:

- Shipping height is equal to case height minus hat channel rails, if applicable.
- Optional Top Refrigeration Connection

Shelf Notes:

- 4 shelves shown.
- Shelf depths available: 10" to 24" (in 2" increments) and 27".
- If 24" shelves are used at an angle, the top shelf must be 22" or less due to the load limit.
- 2-position (0°,10°) or 4-position (0°,5°,10°,15°) shelves
- Load limit line affects the allowable depth of shelves.



Base Notes:

- Base heights available: 10 1/2" or 12 1/2".
- Changing bases affects case height and shipping height.
- Drain height from floor: 9 5/8" with 10 1/2" base.

Light Notes:

- One row of canopy lights is standard.
- Undershelf lights, sill lights, and second row of canopy lights is optional.
- Available with night curtain.
- If night curtain is chosen, only one row of canopy lights fits.



Reveal Merchandiser® ORMC(80/82)-PX Specs

ORMC80-PX and ORMC82-PX

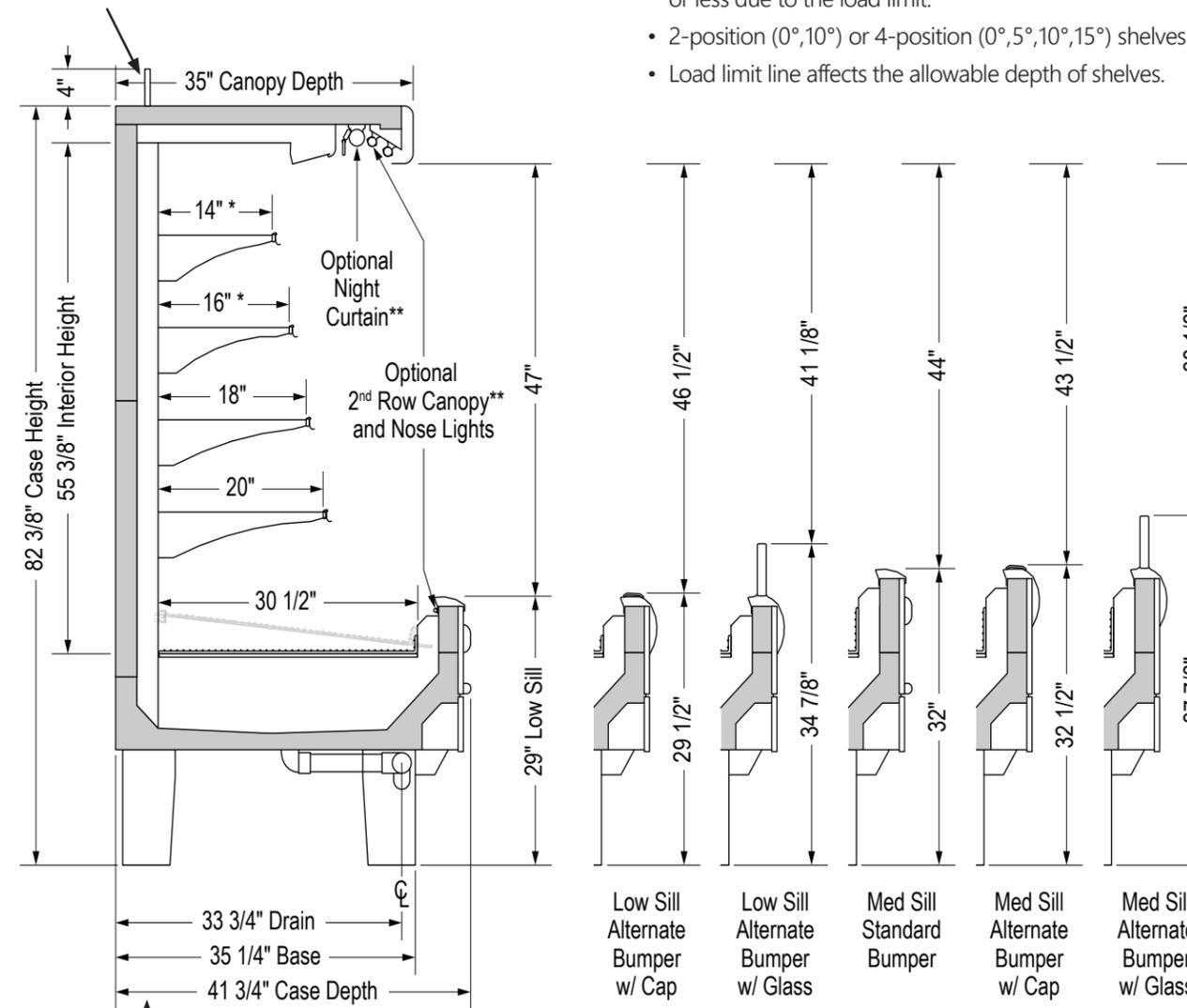
ORMC82-PX End View

Shipping height notes:

- Shipping height is equal to case height minus hat channel rails, if applicable.
- Optional Top Refrigeration Connection

Shelf Notes:

- 4 shelves shown.
- Shelf depths available: 10" to 24" (in 2" increments) and 27".
- If 24" shelves are used at an angle, the top shelf must be 22" or less due to the load limit.
- 2-position (0°,10°) or 4-position (0°,5°,10°,15°) shelves
- Load limit line affects the allowable depth of shelves.



Base Notes:

- Base heights available: 10 1/2" or 12 1/2".
- Changing bases affects case height and shipping height.
- Drain height from floor: 11 5/8" with 12 1/2" base

Light Notes:

- One row of canopy lights is standard.
- Undershelf lights, sill lights, and second row of canopy lights is optional.
- Available with night curtain.
- If night curtain is chosen, only one row of canopy lights fits.



REVEAL
merchandiser®

Reveal Merchandiser® ORMC(83/88)D Remote Specs
Medium Temp Doored Multi-Deck Remote Display Cases

4' (2-Door), 6' (3-Door), 8' (4-Door), and 12' (6-Door) Cases;
Beverage (B), Dairy or Deli (D), and Produce (P)

Applications

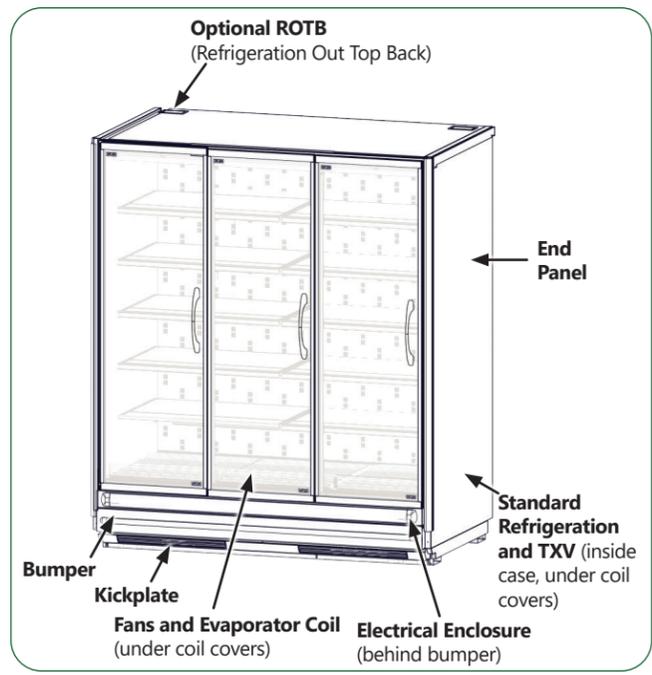


Quick Specs

Energy (Btu/h per Foot)*
ORMC83D: 230 at 28°F Evaporator
ORMC88D: 240 at 28°F Evaporator
*when used with parallel rack system

Merchandising		
	Facings	Packout*
ORMC83D	63.4 ft ²	140.4 ft ³
ORMC88D	68.4 ft ²	151.8 ft ³

*with 27" Shelves



Features & Options

- Go Green**
Remote cases ready for CO₂
- LED Lighting**
ChillBrite® 4000K LED Lighting for the canopy, sill, or undershelf
- Additional Models**
See our spec sheets for the open Reveal™ cases on our website.
- Hybrid™ Display Case**
Available as Hybrid™ cases. See separate spec sheet.

QR Code
Manuals and Instructions:
<https://www.zero-zone.com/ormc>

Contact Us:
800-247-4496
www.zero-zone.com

Specifications are subject to change without notice. All dimensions are nominal.
Case designed to operate in an ambient temperature of 75°F and relative humidity of 55% or lower.

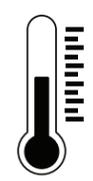


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Reveal Merchandiser® ORMC(83/88)D Specs

Refrigeration Data



Set Points	Per Foot Avg
Evaporator Temperature (°F) ^{1,2}	28
Discharge Air Temperature (°F) (w/ 8°F Superheat) ³	34

Notes:
1. For high-glide refrigerants, use dew point for unit sizing. Adjust evaporator pressure as needed to maintain discharge air temperatures.



Energy Use with Parallel Rack System ³	Lineup Data Per Foot Avg	Individual Case Data ²			
		4' (2-Door)	6' (3-Door)	8' (4-Door)	12' (6-Door)
ORMC83D Baseline Btu/h	230	1,010	1,470	1,930	2,845
ORMC88D Baseline Btu/h	240	1,045	1,520	2,000	2,950
Energy Use with Condensing Unit ³	Per Foot Avg	4' (2-Door)	6' (3-Door)	8' (4-Door)	12' (6-Door)
ORMC83D Baseline Btu/h	240	1,050	1,530	2,010	2,960
ORMC88D Baseline Btu/h	250	1,085	1,580	2,080	3,070

Notes:
2. Individual case data includes 1 pair of end panels.
3. Baseline evaporator Btu/h based on parallel rack system, LED lighting (Zero Zone ChillBrite 400K), no-energy French-swing doors (Zero Zone CoolView® Ultra™), and ECM or SSC electronic fan motors.



Refrigeration Piping: R-404A & R-448A ⁴	Outlet Size (in.)			
	4' (2-Door)	6' (3-Door)	8' (4-Door)	12' (5-Door)
Suction Line O.D. (Top Refrigeration Exit)	3/8	3/8	3/8	1/2
Liquid Line O.D. (Off Cycle Defrost)	1/4	1/4	1/4	3/8
Refrigeration Piping: CO ₂ ⁴	4' (2-Door)	6' (3-Door)	8' (4-Door)	12' (5-Door)
Suction Line O.D. (Top Refrigeration Exit)	3/8	3/8	3/8	3/8
Liquid Line O.D. (Off Cycle Defrost)	1/4	1/4	1/4	1/4

Notes:
4. Read the Installation & Operation Manual for more about refrigeration piping to properly size individual risers for circuits of more than one case.



Electrical & Energy Data ⁵



ORMC83D	Per Door Avg		2-Door		3-Door		4-Door		6-Door	
Number of Fans			2		3		4		5	
Fan Motors ORMC83D (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High-Efficiency Electronic (ECM or SSC)	0.20	5	0.84	17	1.26	26	1.68	41	2.10	52
Lighting System ORMC83D (120V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
LED Lighting	0.09	11	0.36	42	0.48	56	0.72	84	1.08	126

ORMC88D	Per Door Avg		2-Door		3-Door		4-Door		6-Door	
Number of Fans			2		2		3		4	
Fan Motors ORMC88D (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High-Efficiency Electronic (ECM or SSC)	0.16	5	0.84	19	0.84	29	1.26	45	1.68	57
Lighting System ORMC88D (120V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
LED Lighting	0.10	11	0.39	45	0.57	66	0.77	90	1.14	131

Anti-Sweat Heat ORMC(83/88)D (115V)	Amps	Watts								
No-Energy Doors (CoolView® Ultra®)	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
Honeycomb Holder Heater	0.03	3	0.13	15	0.17	20	0.26	30	0.35	40

Notes:
 5. Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
 6. High-humidity package includes glass heat, rail heat, and mullion heat.

Physical Data



Merchandising ORMC83D	4' (2-Door)	6' (3-Door)	8' (4-Door)	12' (5-Door)
ORMC83D Facings (ft. ²) with Medium Sill	21.1	31.7	42.3	63.4
ORMC83D Packout (ft. ³) with 24" shelves	44.0	66.0	88.0	132.1
ORMC83D Packout (ft. ³) with 27" shelves	46.8	70.2	93.6	140.4

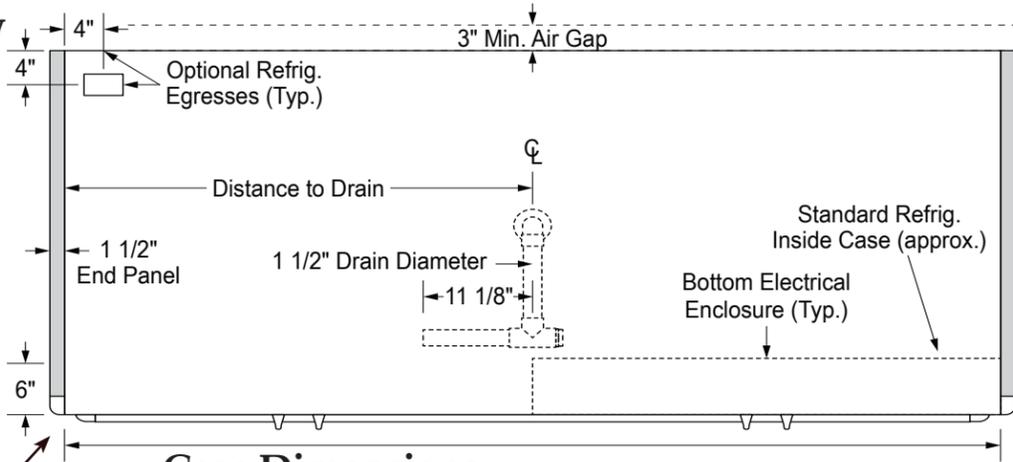
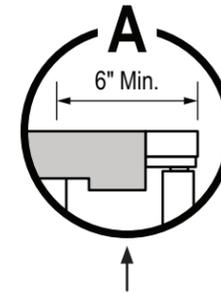
Merchandising ORMC88D	4' (2-Door)	6' (3-Door)	8' (4-Door)	12' (5-Door)
ORMC88D Facings (ft. ²)	22.8	34.2	45.6	68.4
ORMC88D Packout (ft. ³) with 24" shelves	47.4	71.0	94.7	142.1
ORMC88D Packout (ft. ³) with 27" shelves	50.6	75.9	101.2	151.8

Shipping Weight without End Panels	4' (2-Door)	6' (3-Door)	8' (4-Door)	12' (5-Door)
ORMC83D Weight (lbs.)	775	933	1,020	1,254
ORMC88D Weight (lbs.)	790	1,020	1,170	1,470
Shipping Weight with Solid End Panels ⁷	4' (2-Door)	6' (3-Door)	8' (4-Door)	12' (5-Door)
ORMC83D Weight (lbs.)	835	993	1,080	1,314
ORMC88D Weight (lbs.)	850	1,080	1,230	1,530
Shipping Weight with Windowed End ⁷	4' (2-Door)	6' (3-Door)	8' (4-Door)	12' (5-Door)
ORMC83D Weight (lbs.)	885	1,043	1,130	1,364
ORMC88D Weight (lbs.)	900	1,130	1,280	1,580

Notes:
 7. Each solid end panel: 30 lbs. Each windowed end: 55 lbs.



ORMC83D Top View

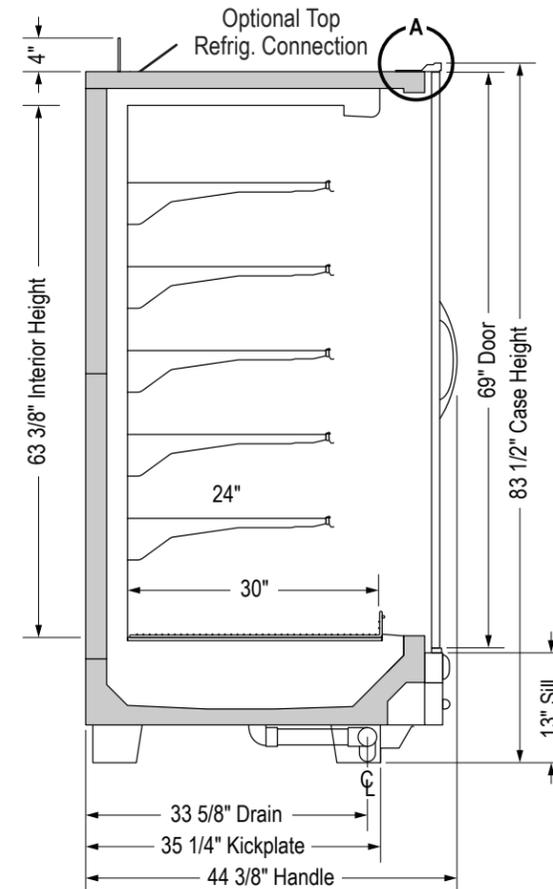


Building soffits must be set back at least 6" from the front of the doors to allow access to electrical wiring on the top of the case.

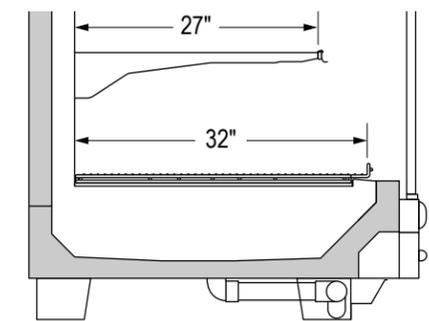
Case Dimensions

Measurements	4' (2-Door)	6' (3-Door)	8' (4-Door)	12' (5-Door)
Case Length (in.) without End Panels	48	72	96	144
Case Length (in.) with End Panels	53	77	101	149
Distance to Drain (in.)	24	36	48	72

ORMC83D End View

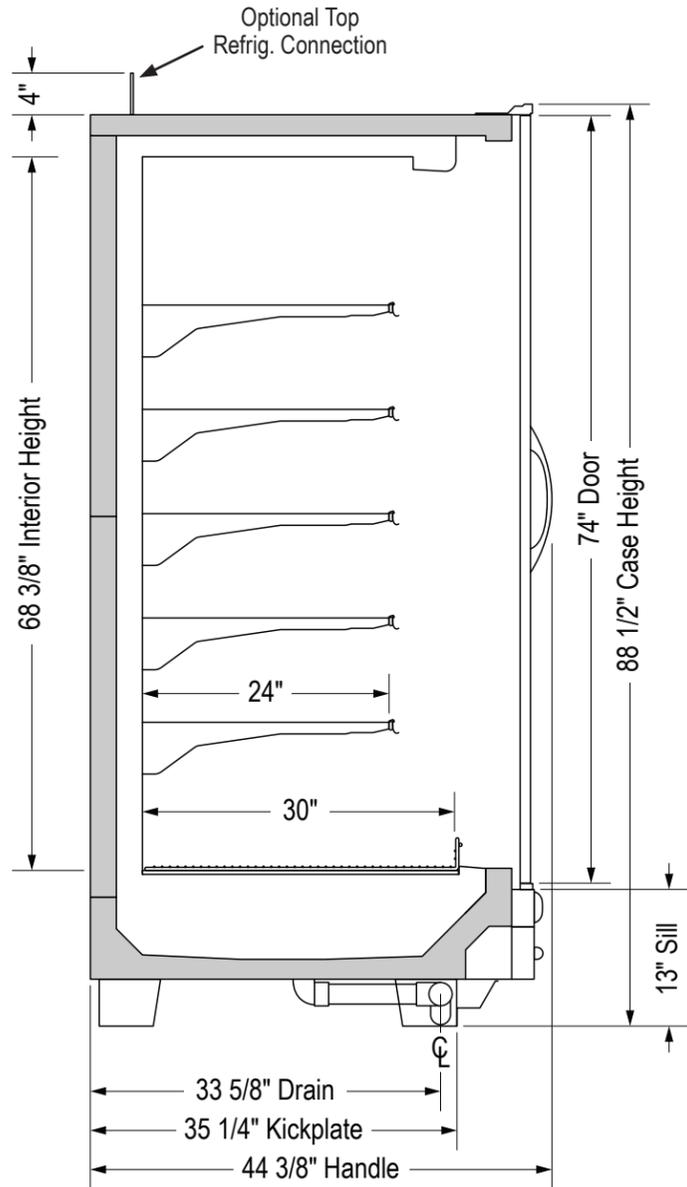


- Shelf Notes:
- Shelves available in 22", 24", and 27" depths.
 - 32" bottom wire rack available. Recommended for Beverage application.
- Base Notes:
- Base heights available:
 - Drain height from floor: 3 1/8" with 4 1/2" base

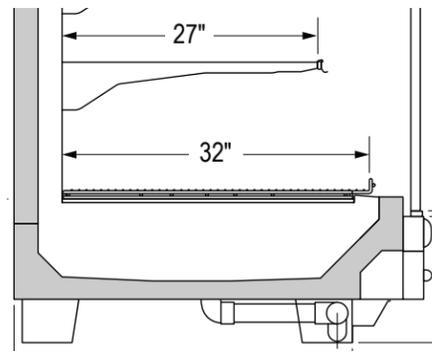




ORMC88D End View



- Shelf Notes:
- Shelves available in 22", 24", and 27" depths.
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CT-03 REV A



1-YEAR PARTS
 10-YEAR GLASS PACK
 5-YEAR LED PARTS



Intertek