ZERO ZONE

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)

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 ft²	140.4 ft³
ORMC83D	68.4 ft²	151.8 ft³

*with 27" Shelves

Features & Options

Go Green
Remote cases ready for CO_2

LED Lighting
ChillBrite® 4000K LED mullion lighting

Additional Models
See our spec sheets for the open Reveal™ cases on our website. 90 bar rating available.

Hybrid™ Display Case
Available as Hybrid™ cases. See separate spec sheet.

Applications

Beverage   Dairy   Deli   Produce
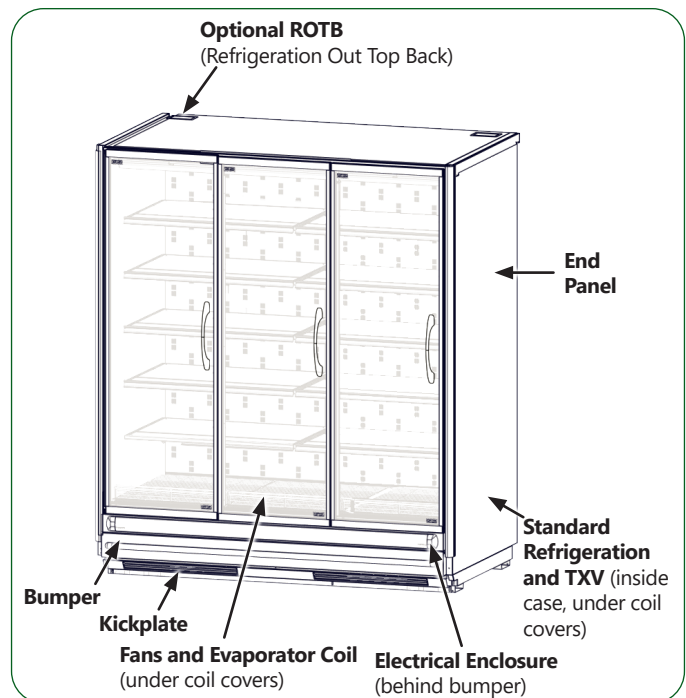

Optional ROTB
(Refrigeration Out Top Back)

End Panel

Standard Refrigeration and TXV (inside case, under coil covers)

Bumper

Kickplate

Fans and Evaporator Coil (under coil covers)

Electrical Enclosure (behind bumper)

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.

DOE COMPLIANT   NSF   ETL LISTED Intertek

AHRI CERTIFIED®
www.ahridirectory.org
Commercial Refrigerated Display Merchandisers and Storage Cabinets
AHRI Standard 1200

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.

	Lineup Data	Individual Case Data [2]			
Energy Use with Parallel Rack System [3]	Per Foot Avg	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.

	Outlet Size (in.)			
Refrigeration Piping: R-404A & R-448A [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	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	Amps	Watts	Amps	Watts	Amps	Watts	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.²) wtih 24" shelves	44.0	66.0	88.0	132.1
ORMC83D Packout (ft.²) 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:
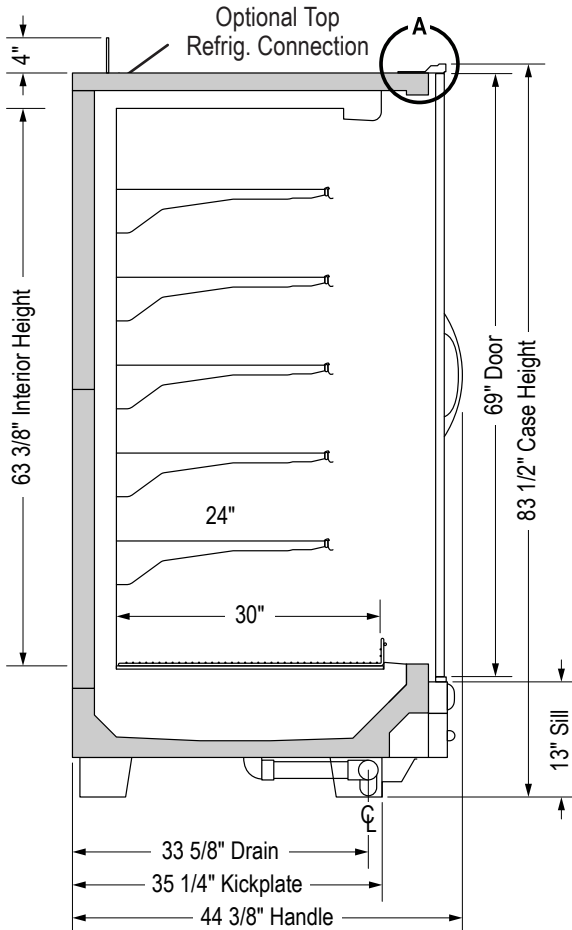7. Each solid end panel: 30 lbs. Each windowed end: 55 lbs.

ORMC83D Top View

A

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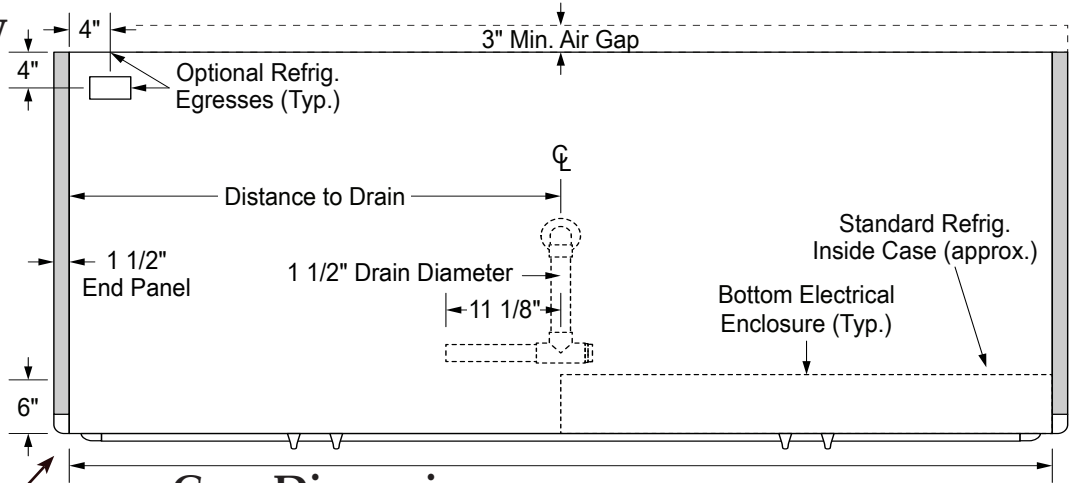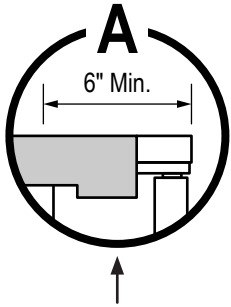
Building soffits must be set back at least 6" from the front of the doors to allow access to electrical wiring on the top of the case.

4"

4" — Optional Refrig. Egresses (Typ.)

3" Min. Air Gap

1 1/2" End Panel

Distance to Drain

1 1/2" Drain Diameter

11 1/8"

6"

Standard Refrig. Inside Case (approx.)

Bottom Electrical Enclosure (Typ.)

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

4"

Optional Top Refrig. Connection

A

63 3/8" Interior Height

69" Door

83 1/2" Case Height

24"

30"

13" Sill
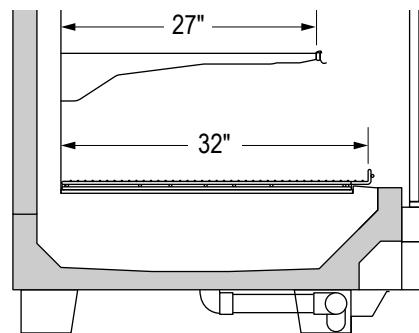
33 5/8" Drain

35 1/4" Kickplate

44 3/8" Handle

Shelf Notes:
- Shelves available in 22", 24", and 27" depths.
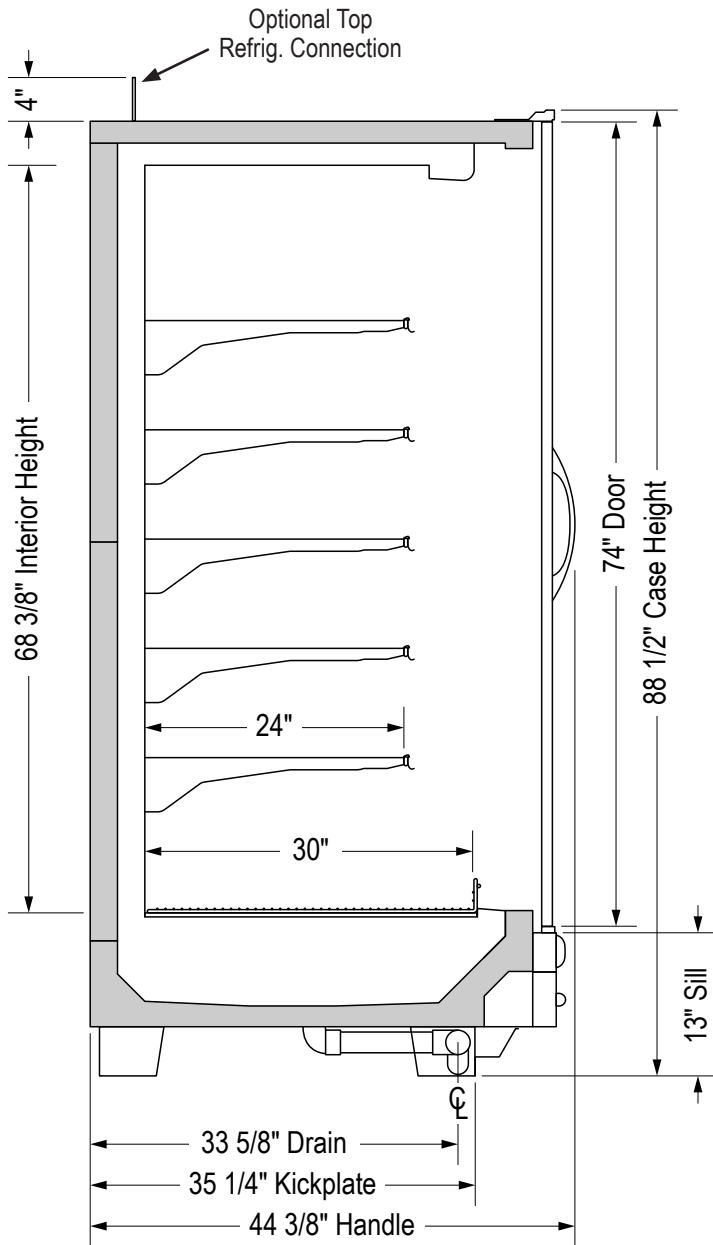- 32" bottom wire rack available. Recommended for Beverage application.

Base Notes:
- Base heights available:
- Drain height from floor: 3 1/8" with 4 1/2" base

27"

32"

ORMC88D End View

Optional Top
Refrig. Connection

4"

68 3/8" Interior Height

24"

30"

74" Door

88 1/2" Case Height

13" Sill

33 5/8" Drain

35 1/4" Kickplate

44 3/8" Handle

Shelf Notes:
• Shelves available in 22", 24", and 27" depths.
• 32" bottom wire rack available.
  Recommended for Beverage application.

27"

32"