ZERO ZONE®

REVEAL merchandiser®

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 CO_2

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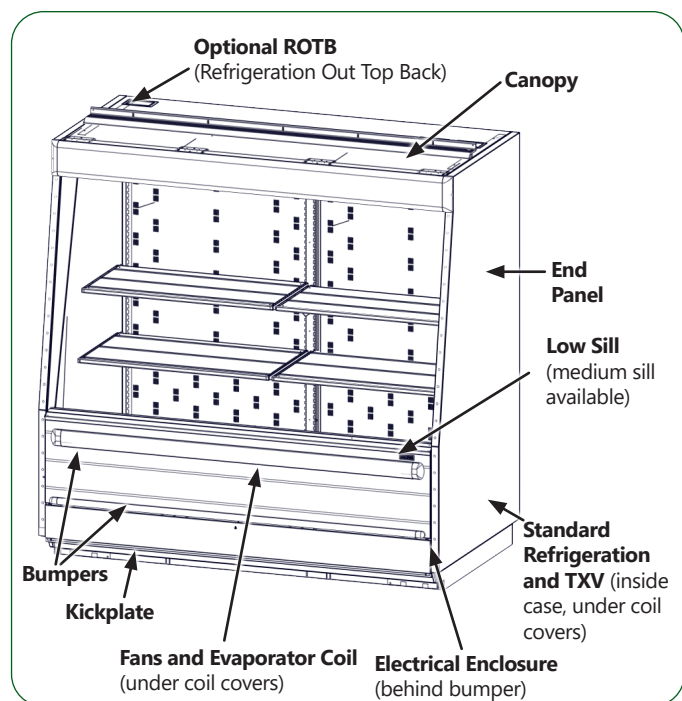Options include mirrors, night curtains, spray hose connection, and more.

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

Applications

Produce

Optional ROTB (Refrigeration Out Top Back)
Canopy
End Panel
Low Sill (medium sill available)
Standard Refrigeration and TXV (inside case, under coil covers)
Electrical Enclosure (behind bumper)
Fans and Evaporator Coil (under coil covers)
Kickplate
Bumpers

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.

DOE COMPLIANT
NSF
ETL LISTED c us Intertek
AHRI CERTIFIED® www.ahridirectory.org Commercial Refrigerated Display Merchandisers and Storage Cabinets AHRI Standard 1200

Refrigeration Data

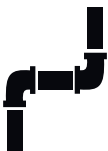| Set Points	Per Foot Avg
Evaporator Temperature (°F) [1, 2]	28
Discharge Air Temperature (°F) (w/ 8°F Superheat) [3]	37
Discharge Air Velocity (fpm) [4]	230

Notes:
1. For high-glide refrigerants, use dew point for unit sizing. Adjust evaporator pressure as needed to maintain discharge air temperatures.
2. 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.
3. Discharge air temperature is measured at the outlet of the honeycomb.
4. Discharge air velocity is average velocity at peak of defrost.

	Lineup Data	Individual Case Data [5]			
Energy Use with Parallel Rack System [6]	**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:
5. Individual case data includes 1 pair of end panels.
6. 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.

	Outlet Size (in.)			
Refrigeration Piping: R-404A & R-448A [7]	**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:
7. 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:
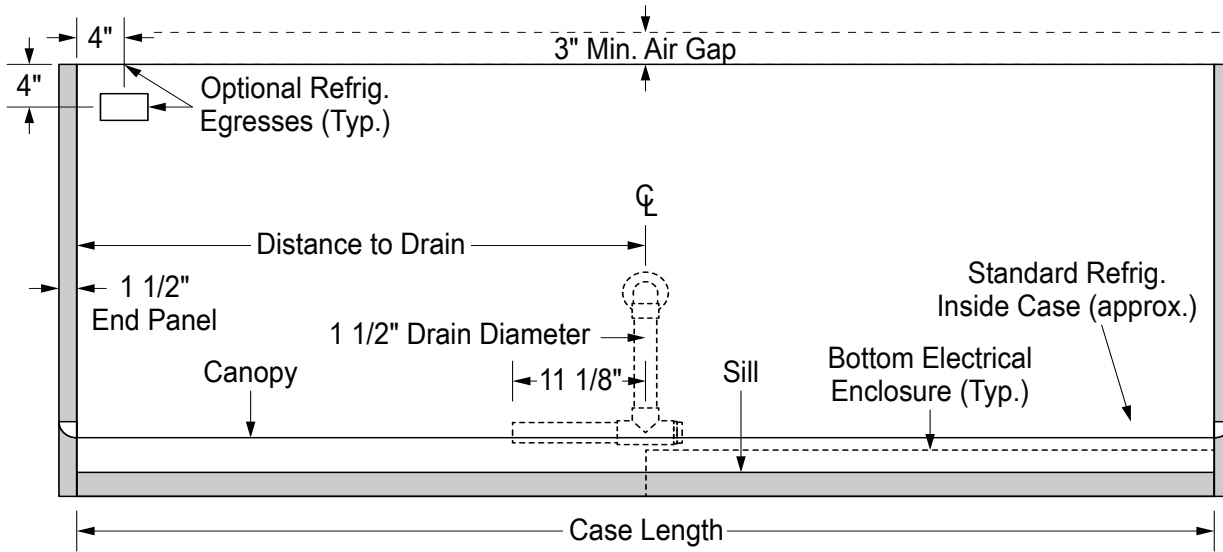9. Each solid end panel: 30 lbs. Each windowed end: 50 lbs.
10. Glass windowed end panels only available with 2 ½" end panels.

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

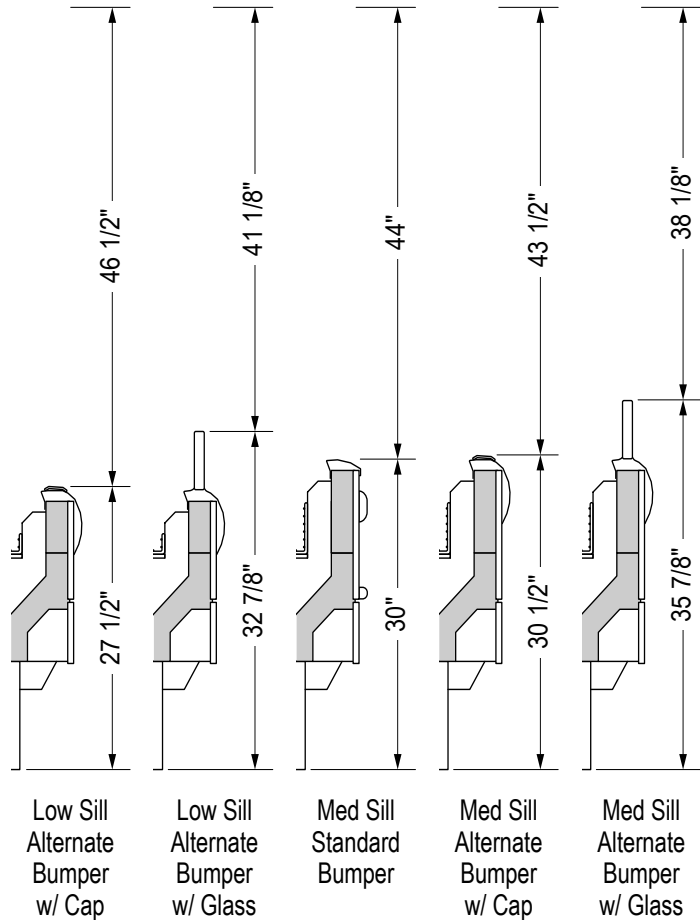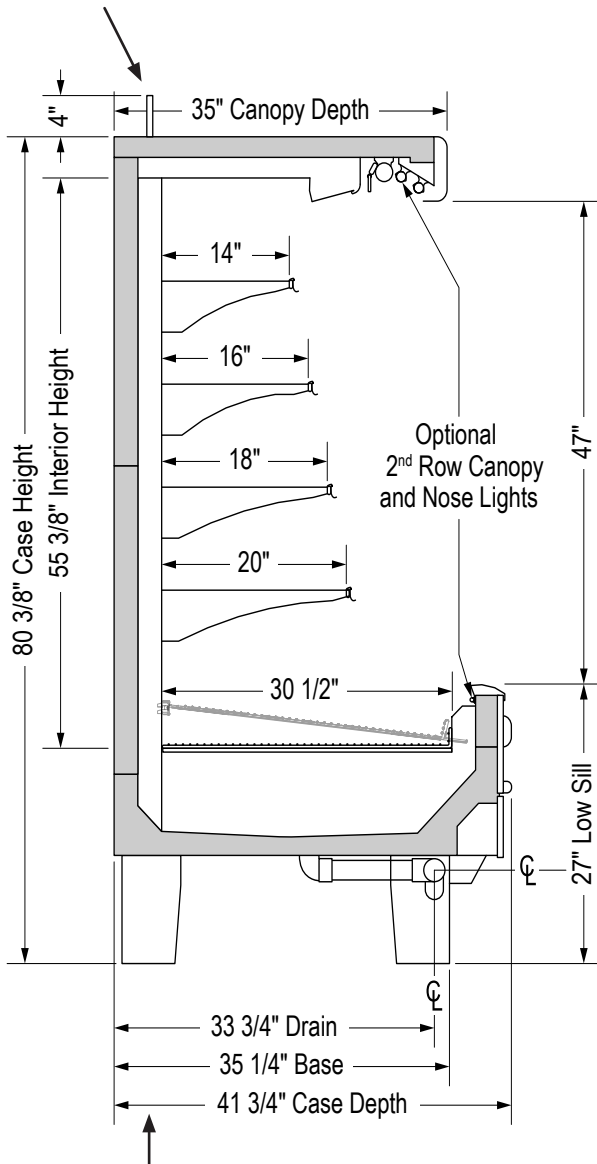| Measurements	4'	6'	8'	12'
Case Length (in.) without End Panels	48	72	96	144
Case Length (in.) with End Panels	51	75	99	147
Distance to Drain (in.)	24	36	48	72

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".
- 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 ½" or 12 ½".
- Changing bases affects case height and shipping height.
- Drain height from floor: 9 ⅝" with 10 ½" 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.
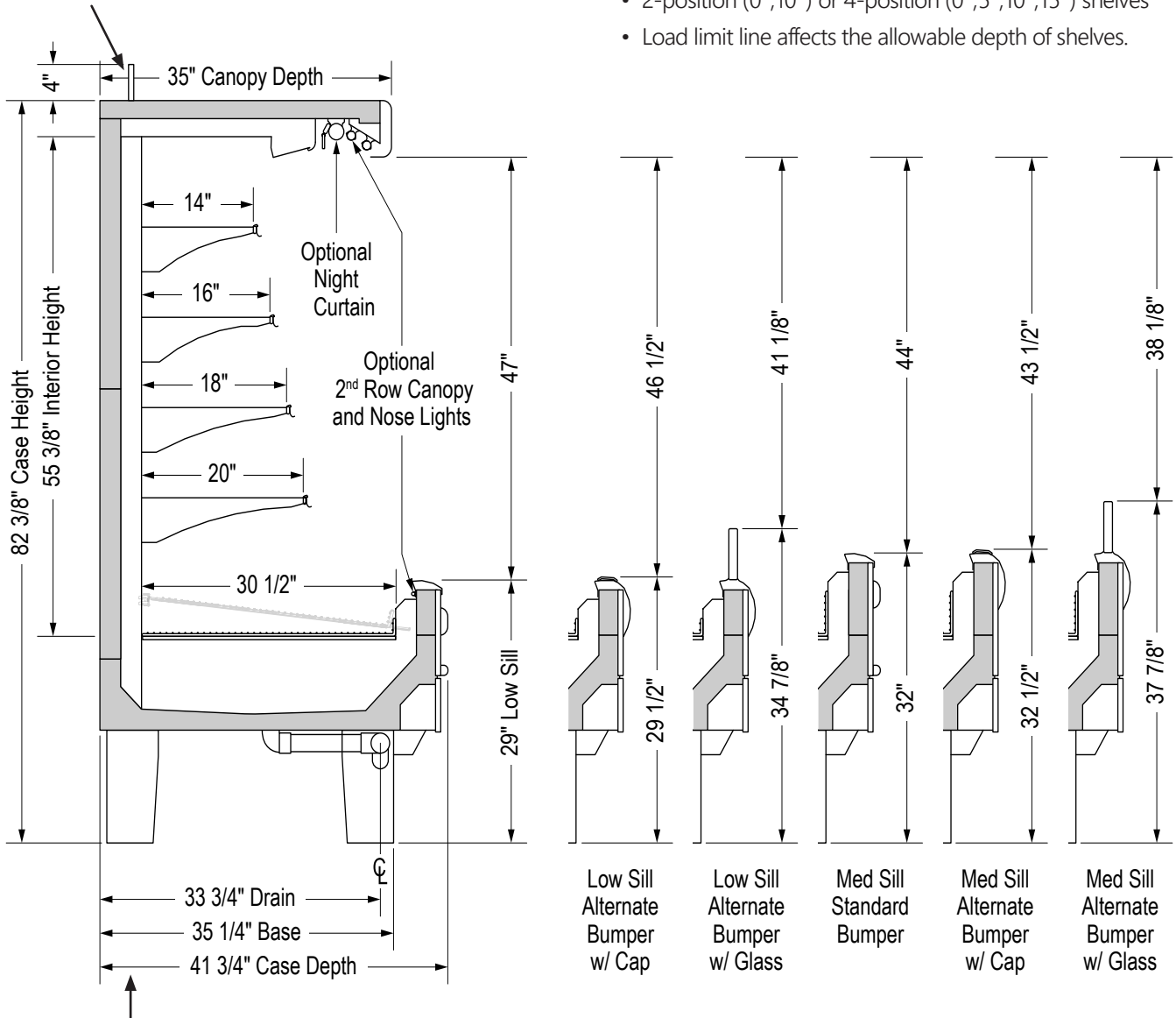- If night curtain is chosen, only one row of canopy lights fits.

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".
- 2-position (0°,10°) or 4-position (0°,5°,10°,15°) shelves
- Load limit line affects the allowable depth of shelves.

4"
35" Canopy Depth
82 3/8" Case Height
55 3/8" Interior Height
14"
16"
18"
20"
30 1/2"
Optional Night Curtain
Optional 2nd Row Canopy and Nose Lights
47"
29" Low Sill
33 3/4" Drain
35 1/4" Base
41 3/4" Case Depth

46 1/2"
41 1/8"
44"
43 1/2"
38 1/8"
29 1/2"
34 7/8"
32"
32 1/2"
37 7/8"

Low Sill Alternate Bumper w/ Cap
Low Sill Alternate Bumper w/ Glass
Med Sill Standard Bumper
Med Sill Alternate Bumper w/ Cap
Med Sill Alternate Bumper w/ Glass

Base Notes:
- Base heights available: 10 ½" or 12 ½".
- Changing bases affects case height and shipping height.
- Drain height from floor: 11 ⅝" with 12 ½" 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.