



Reveal Merchandiser® ORMC82(L/M/H)-M Specs

Open Multi-Decks (Standard Height)

ORMC82(L/M/H)-M: (L=Low, M=Medium, H=High Sill Height)-M=Meat

Refrigeration Data

Refrigeration	Lineup Data	Individual Case Data (Includes 1 Pair of End Panels)			
	Per Foot Avg.	4'	6'	8'	12'
Evaporator Temperature (°F) ^{1,2}	22	22	22	22	22
Baseline Btu/h ^{3,4}	1,343	5,932	8,730	11,416	16,788
Discharge Air Temperature (°F) (w/ 8°F Superheat) ⁵	30	30	30	30	30
Discharge Air Velocity (fpm) ⁶	260	260	260	260	260
Btu/h Deducts	Btu/h Per Foot	Btu/h	Btu/h	Btu/h	Btu/h
High Sill	40	160	240	320	480
Btu/h Adders	Btu/h Per Foot	Btu/h	Btu/h	Btu/h	Btu/h
Low Sill	40	160	240	320	480
Canopy LED Lights (Zero Zone ChillBrite 4249) 2nd Row	13	52	78	104	156
Sill LED Lights (Zero Zone ChillBrite 4251) 1 Row	7	28	42	56	84
Undershelf LED Lights (Zero Zone ChillBrite 4250) Per Row	10	40	60	80	120

Electrical & Energy Data ⁷

Electrical & Energy Data	Lineup Data		Individual Case Data (Includes 1 Pair of End Panels)							
	Per Foot Avg.		4'		6'		8'		12'	
Fan Motors (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
High Efficiency Electronic (ECM or SSC)	0.11	7.7	0.60	42	0.60	42	0.90	63	1.20	84
Lighting System (115V)	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
Canopy LED Lights (Zero Zone ChillBrite 4249) Per Row	0.047	5.8	0.19	23	0.28	35	0.38	46	0.56	69
Sill LED Lights (Zero Zone ChillBrite 4251) 1 Row	0.023	2.9	0.09	12	0.14	17	0.19	23	0.28	35
Undershelf LED Lights (Zero Zone ChillBrite 4250) Per Row	0.012	1.5	0.05	6	0.07	9	0.10	12	0.14	17

Physical Data

Physical Data	Outlet Size (in.)				
	4'	6'	8'	12'	
Refrigeration Piping: R-404A & R-448A ⁸					
Suction Line O.D. (Top Refrigeration Exit)	5/8	5/8	7/8	7/8	
Liquid Line O.D.	3/8	3/8	3/8	3/8	
Refrigeration Piping: CO2 ⁸					
Suction Line O.D. (Top Refrigeration Exit)	1/2	1/2	1/2	1/2	
Liquid Line O.D.	3/8	3/8	1/2	1/2	
Case Calculations	Solid End Panel	4'	6'	8'	12'
Weight (lbs.)	30	452	678	791	1,222

Operating Set Points

Operating Set Points	R-404A	R-448A
Off-Cycle Defrost		
Time Per Defrost (Minutes)	36	30
Drip Time (Minutes)	N/A	N/A
EPR Settings (psig)	58	51
Frequency (Per Day)	4	6

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.
- Baseline Evaporator Btu/h based on parallel rack system, 1 row LED canopy lighting (Zero Zone ChillBrite®), ECM or SSC electronic fan motors, 4 rows of 22" solid shelves, and medium sill height.
- For condensing units (non-rack system), multiply total Btu/h rating by 1.11 (R-404A) or 1.14 (R-448A).
- Discharge air temperature is measured at the outlet of the honeycomb.

- Discharge air velocity is average velocity at peak of defrost.
- Amps are based on electrical nameplate values. Watts are based on laboratory observations of actual energy use.
- Use 0.5 lb/ft evaporator refrigerant charge for receiver sizing.

Case Performance Notes:

- Btu/h load increases by approximately 120 Btu/h per foot for aftermarket shelving/merchandising.
- Operating temperature and defrost set points may need to be adjusted for alternate shelving, store conditions, or packout.
- A minimum 20° evaporator is recommended without positive defrost.

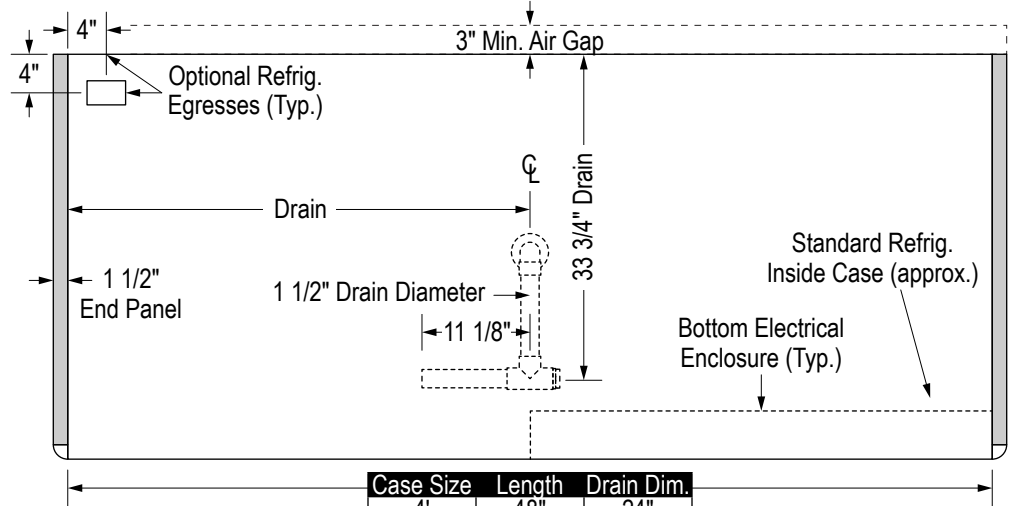


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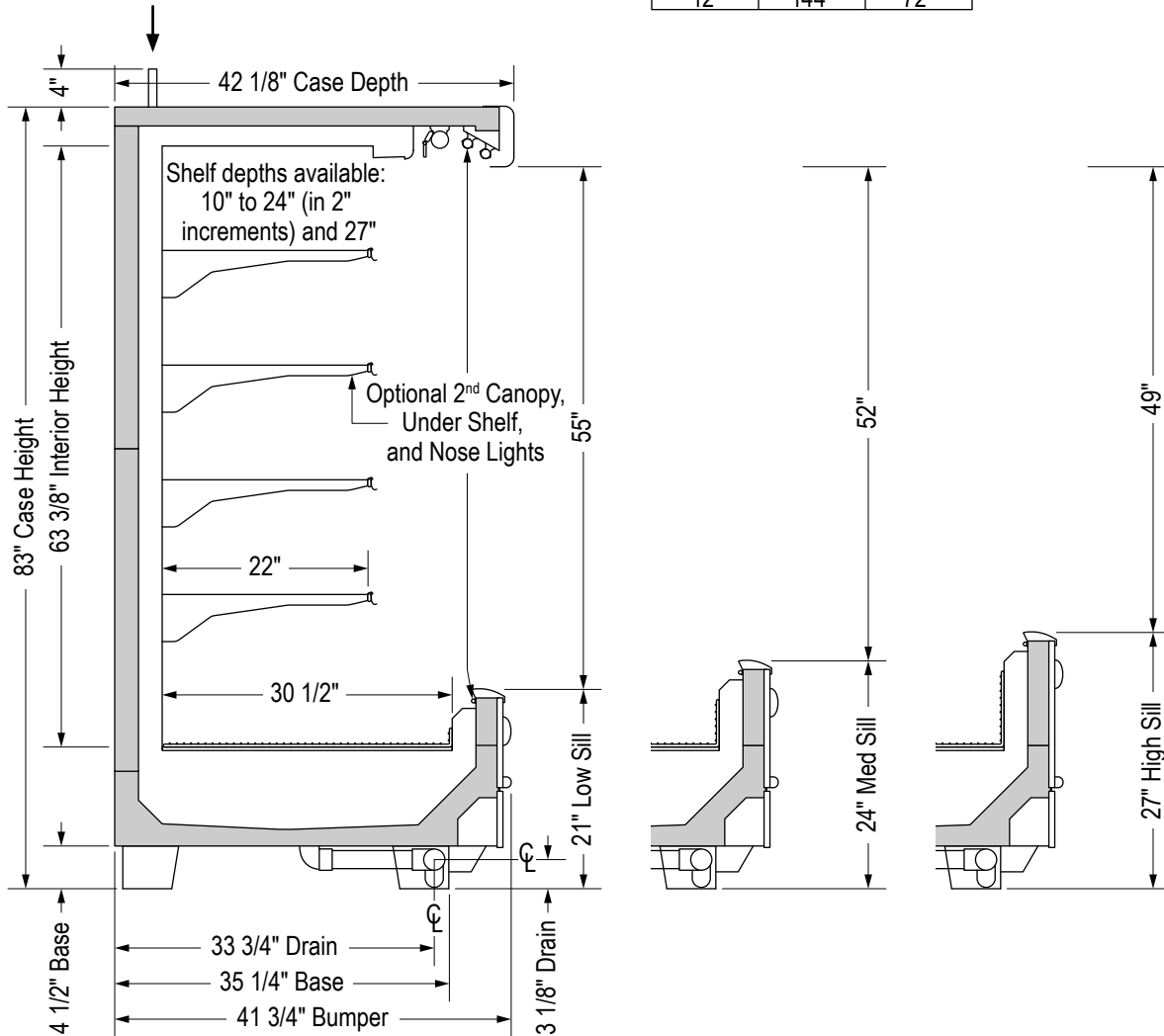
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- Other base options available.
- If 24" shelves are used at an angle, the top shelf must be 22" or less.



Case Size	Length	Drain Dim.
4'	48"	24"
6'	72"	36"
8'	96"	48"
12'	144"	72"

Top refrigeration connections increase case height by up to 4".



SS-53-I

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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