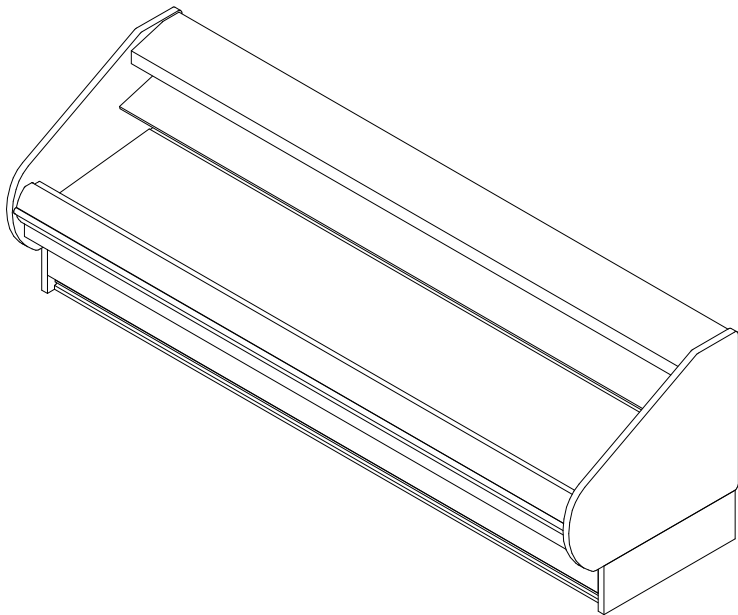


O2UM-NRG

4', 6', 8', 12' Multi-Deck Merchandiser with Synerg-E™
Case (Dairy/Deli/Meat/Produce/Seafood)

GENERAL NOTES:

- "---" indicates that the feature is not an option for this case model and/or that the data is not yet available.
- LED lights only.
- Maximum of 2 rows of standard output LED lighted shelves.
- Nose lights are not available.



SHIPPING WEIGHT	
Case	Weight
O2UM-NRG	---



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4', 6', 8', 12' Multi-Deck Merchandiser with Synerg-E™
Case (Dairy/Deli/Meat/Produce/Seafood)

ELECTRICAL DATA			
Case Length	Fans Per Case	High Efficiency Fans	
		120 Volts	
		Amps	Watts
4'	1	0.16	11.0
6'	2	0.32	22.0
8'	2	0.32	22.0
12'	3	0.48	33.0

LIGHTING DATA						
Case Length	Lights per row	Lights Length	Clearvoyant LED Lighting (Per Light Row)			
			Standard Power (Cornice or Shelf)		High Power (Cornice)	
			120 Volts		120 Volts	
			Amps	Watts	Amps	Watts
4'	1	4'	0.05	5.9	0.12	14.9
6'	2	3'	0.08	9.4	0.20	23.8
8'	2	4'	0.10	11.8	0.25	29.9
12'	3	4'	0.15	17.6	0.37	44.8

GUIDELINES AND CONTROL SETTINGS							
Application	Front Sill Height	BTUH/ft		Superheat Set Point @ Bulb (°F)	Evaporator (°F)	Discharge Air (°F)	Discharge Air Velocity (FPM)
		Conventional	Parallel				
Dairy/Deli/Produce	All	887	775	6 - 8	28	31	180
Meat	Extended	893	780	6 - 8	26	30	180

DEFROST CONTROLS		
Defrosts Per Day	Timed-Off Defrost	
	Fail-Safe (Min)	Termination Temp (°F)
6	30	47

NOTES:

- "----" indicates that the feature is not an option for this case model and/or that the data is not yet available.
- Listed BTUH/ft data represent unlighted shelves. For LED lighting, add 9 BTUH/ft per row of lighted shelving.
- BTUH load increases by 123 BTUH/ft when aftermarket merchandising accessories are utilized.
- Listed evaporator temperature represents unlighted shelves. For lighted shelves and/or aftermarket merchandising accessories, reduce the listed evaporator temperature by 2°F.
- Conventional Discharge Air Control - Recommended Settings: Cut-in Temp + Discharge Air + 2°F; Cut-Out Temp = Discharge Air - 2°F.
- Listed discharge air velocity represents the average velocity immediately after defrost.
- Temperature and defrost settings listed above are recommended start-up settings. Final operational settings may need to be adjusted for the store conditions in which the case operates.
- The recommended evaporator temperatures may need to be adjusted based on system setup, store conditions, etc. The minimum recommended evaporator temperature is 4°F below the listed evaporator temperature.



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4', 6', 8', 12' Multi-Deck Merchandiser with Synerg-E™
Case (Dairy/Deli/Meat/Produce/Seafood)

SECOND NATURE DATA								
Case Model	No. of Coils	Application	Front Sill height	BTUH/FT		GPM/ft (DR)	Supply Fluid Temp (°F)	Discharge Air Temp (°F)
				Conventional	Parallel			
O2UM-NRG	1	Meat	33" Front	893	780	0.26	20	30
O2UM-NRG	1	Bulk Produce	All Fronts	887	775	0.10	20	37
O2UM-NRG	1	Deli/Produce	All Fronts	887	775	0.22	20	31
O2UM-NRG	1	Meat	33" Front	897	780	0.79	25	30
O2UM-NRG	1	Bulk Produce	All Fronts	887	775	0.18	25	37
O2UM-NRG	1	Deli/Produce	All Fronts	887	775	0.56	25	31

SECOND NATURE DATA									
Case Model	No. of Coils	Application	Front Sill height	Supply Fluid Temp (°F)	No. of Defrost	Timed-Off Defrost		Warm Fluid Defrost	
						Fail-Safe (Min)	Termination Temp (°F)	Fail-Safe (Min)	Termination Temp (°F)
O2UM-NRG	1	Meat	33" Front	20	6	60	47	26	49
O2UM-NRG	1	Bulk Produce	All Fronts	20	6	60	47	26	49
O2UM-NRG	1	Deli/Produce	All Fronts	20	6	60	47	26	49
O2UM-NRG	1	Meat	33" Front	25	6	45	42	26	49
O2UM-NRG	1	Bulk Produce	All Fronts	25	6	45	42	26	49
O2UM-NRG	1	Deli/Produce	All Fronts	25	6	45	42	26	49

NOTES:

- All medium temperature data listed is for 35% by wt. PROPYLENE GLYCOL.
- Inhibited Propylene Glycol solution with water, such as Dowfrost or equivalent. (Dowfrost is a trademark of the Dow Chemical Company).
- Flowrates are determined by ASHRAE test conditions and may need to be adjusted based on store conditions.
- ** Flowrates are per case



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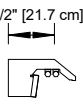

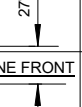

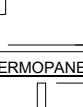
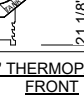
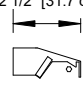






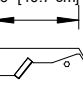
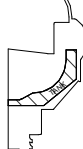




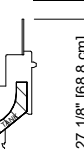
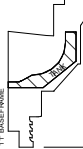









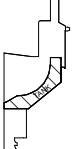

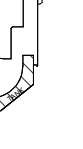

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4', 6', 8', 12' Multi-Deck Merchandiser with Synerg-E™
Case (Dairy/Deli/Meat/Produce/Seafood)

REAR SILL OPTIONS	FRONT OPTIONS					
	ORIGIN 2 FRONT				FLAT FRONT FLAT TOP	
	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT
	 8 1/2" [21.7 cm]	 21 1/8" [53.8 cm]	 27" [68.7 cm]	 21 1/8" [53.8 cm]	 27" [68.7 cm]	 21 1/8" [53.8 cm]
	12 1/2" REAR SILL	6" THERMOPANE FRONT	6" THERMOPANE FRONT	6" THERMOPANE FRONT	6" THERMOPANE FRONT	6" THERMOPANE FRONT
 12 1/2" [31.7 cm]	 33 1/8" [84.2 cm]	 27 1/4" [69.3 cm]	 33 1/8" [84.2 cm]	 27 1/4" [69.3 cm]	 33 1/8" [84.1 cm]	 27 1/4" [69.1 cm]
 16" [40.7 cm]	6" PLEXIGLAS FRONT	6" PLEXIGLAS FRONT	6" PLEXIGLAS FRONT	6" PLEXIGLAS FRONT	6" PLEXIGLAS FRONT	6" PLEXIGLAS FRONT
	 33" [83.7 cm]	 27 1/8" [68.8 cm]	 33" [83.8 cm]	 27 1/8" [68.8 cm]	 33" [83.7 cm]	 27 1/8" [68.8 cm]
	EXTENDED STANDARD FRONT	EXTENDED STANDARD FRONT	EXTENDED STANDARD FRONT	EXTENDED STANDARD FRONT	EXTENDED STANDARD FRONT	EXTENDED STANDARD FRONT
	 30" [76.2 cm]	 24 1/8" [61.4 cm]	 30" [76.2 cm]	 24 1/8" [61.3 cm]	 30" [76.2 cm]	 24 1/8" [61.3 cm]
	FLAT FRONT ANGLED TOP					
	STANDARD FRONT	STANDARD FRONT	6" PLEXIGLAS FRONT	6" PLEXIGLAS FRONT		
	 28 1/8" [71.4 cm]	 22 3/8" [56.7 cm]	 32 3/8" [82.3 cm]	 26 3/8" [66.9 cm]		
	6" THERMOPANE FRONT	6" THERMOPANE FRONT	EXTENDED STANDARD FRONT	EXTENDED STANDARD FRONT		
	 33 3/8" [84.9 cm]	 27 3/8" [69.5 cm]	 33" [83.8 cm]	 27" [68.6 cm]		

NOTES:

- Front and rear sill heights vary with base frame height.
- Extended front sills are required for meat applications to maintain proper product temperature. An extended front has a minimum height of 24" on a 5" base frame, or 30" on an 11" base frame.



COMPONENT

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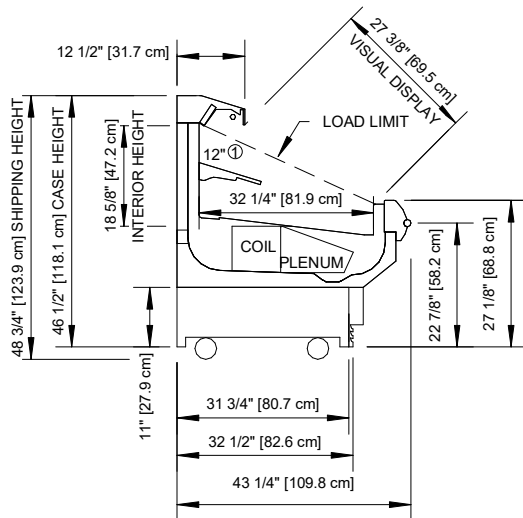
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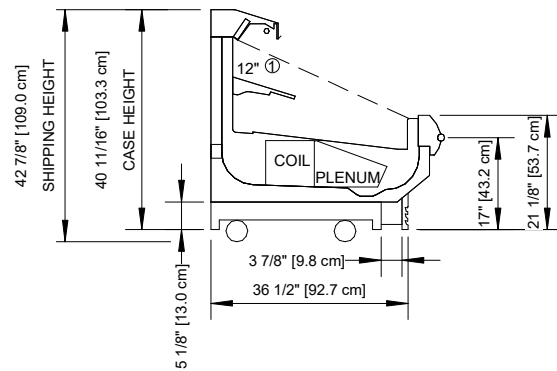
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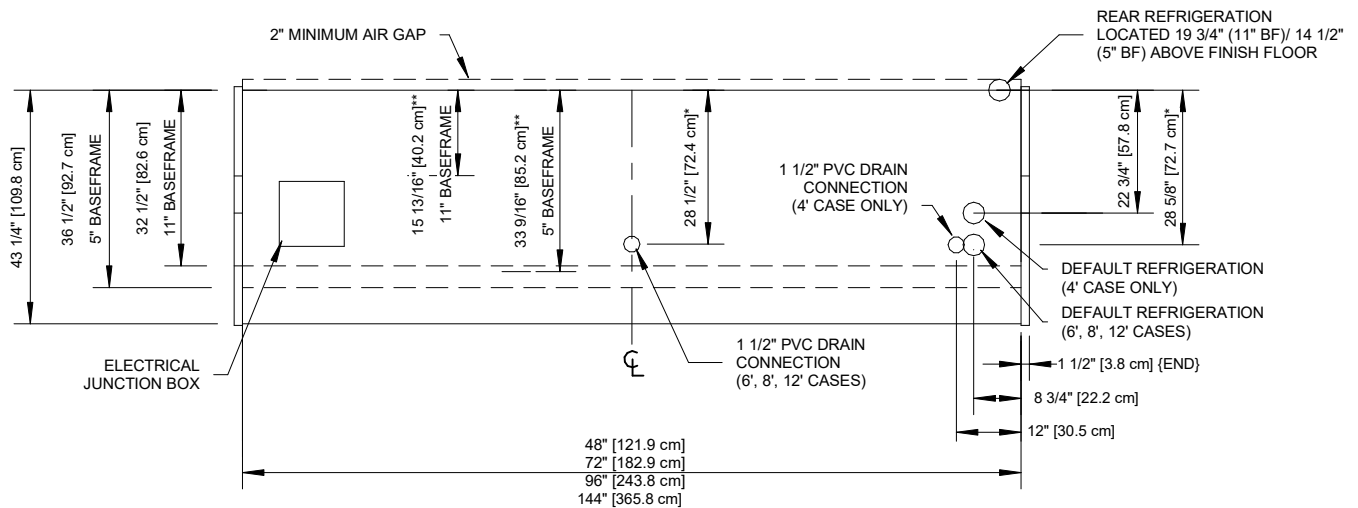
4', 6', 8', 12' Multi-Deck Merchandiser with Synerg-E™
Case (Dairy/Deli/Meat/Produce/Seafood)



11" BASE FRAME



5" BASE FRAME



NOTES:

* : STUB-UP AREA

** : RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS

① : AVAILABLE SHELF SIZES: 10", 12", 14", 16" & 18"

- Ends add approximately 1 inch to case height.
- Product on top shelf should be 3 inches below discharge.



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