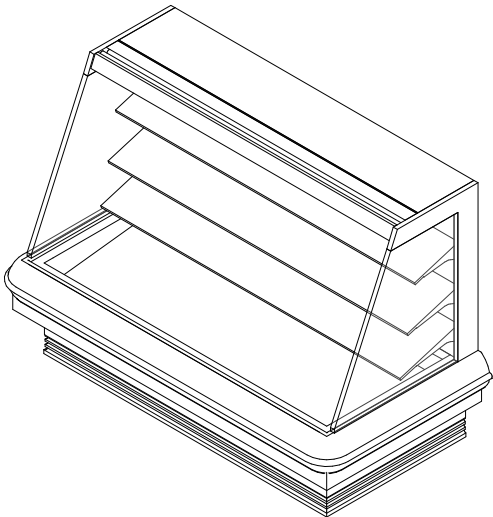


# O4EM-NRG

Multi-Deck End Cap Merchandiser w/ Synerg-E™  
(Dairy / Deli / Meat / Produce)

**GENERAL NOTES**

- "-" indicates that the feature is not an option for this case model and/or the data is not yet available.
- LED lights only.
- Maximum of 3 rows of standard output LED lighted shelves.
- Nose lights are not available.



SHIPPING WEIGHT	
Case	Weight
O4EM-NRG	---



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# O4EM-NRG

Multi-Deck End Cap Merchandiser w/ Synerg-E™  
(Dairy / Deli / Meat / Produce)

## ELECTRICAL DATA

Fans Per Case	High Efficiency Fans		Anti Condensate Heaters	
	120 Volt		120 Volts	
	Amps	Watts	Amps	Watts
2	0.40	28.0	1.89	227.0

## LIGHTING DATA

Lights Per Row	Lights Length	Clearvoyant v4 LED Lighting (Per Light Row)			
		Standard Power (Cornice or Shelf)		High Power (Cornice Only)	
		120 Volts		120 Volts	
		Amps	Watts	Amps	Watts
2	3'	0.14	16.6	0.25	29.8

## 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	6019	4865	6-8	28	31	150
Meat	EXTENDED	6147	4965	6-8	26	30	150

## DEFROST CONTROLS

Defrosts Per Day	Timed-Off Defrost	
	Fail-Safe (Min)	Termination Temp (°F)
6	45	45

## NOTES:

- Extended front sills are required on meat applications to maintain proper product temperature. An extended front has a minimum height of 24" on a 5" baseframe, or 30" on an 11" baseframe.
- BTUH/cs notes:
  - Listed BTUH/cs indicate unlighted shelves. For LED lighting, add 27 BTUH per 3' lighted shelf. For T8 lighted shelves, see Hillphoenix Bluebook Appendix D for BTUH, amp and watt data.
  - BTUH load increases by 132 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 at the peak of 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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# O4EM-NRG

Multi-Deck End Cap Merchandiser w/ Synerg-E™  
(Dairy / Deli / Meat / Produce)

SECOND NATURE DATA								
Case Model	No. of Coils	Application	Front Sill Height	BTUH/Door		GPM/ft (DR)	Supply Fluid Temp (°F)	Discharge Air Temp (°F)
				Conventional	Parallel			
O4EM-NRG	1	Deli	Standard	6019	4865	1.47	20	28
O4EM-NRG	1	Deli	Standard	6019	4865	3.78	25	28
O4EM-NRG	1	Meat	Standard	6147	4965	1.80	20	26
O4EM-NRG	1	Meat	Standard	6147	4965	5.40	25	26

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)
O4EM-NRG	1	Deli	Standard	20	6	60	47	26	49
O4EM-NRG	1	Deli	Standard	25	6	60	47	26	49
O4EM-NRG	1	Meat	Standard	20	6	60	47	26	49
O4EM-NRG	1	Meat	Standard	25	6	60	47	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 • All medium temperature data listed is for 35% by wt. PROPYLENE GLYCOL.



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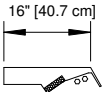
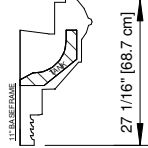
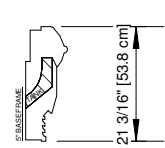
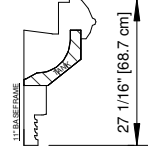
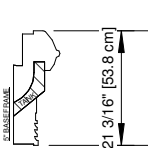
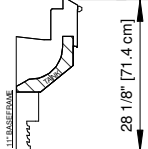
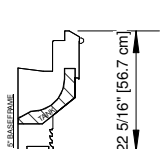
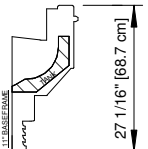
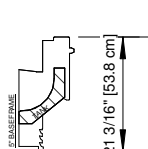
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Multi-Deck End Cap Merchandiser w/ Synerg-E™  
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REAR SILL OPTIONS	FRONT OPTIONS			
	ORIGIN 2 FRONT			
	STANDARD FRONT	STANDARD FRONT	CONTOUR FRONT	CONTOUR FRONT
<b>16" REAR SILL (FRONT DISCHARGE)</b>  				
	27 1/16" [68.7 cm]	21 3/16" [53.8 cm]	27 1/16" [68.7 cm]	21 3/16" [53.8 cm]
	FLAT FRONT ANGLED TOP		FLAT FRONT FLAT TOP	
	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT
				
	28 1/8" [71.4 cm]	22 5/16" [56.7 cm]	27 1/16" [68.7 cm]	21 3/16" [53.8 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" baseframe, or 30" on an 11" baseframe.



COMPONENT

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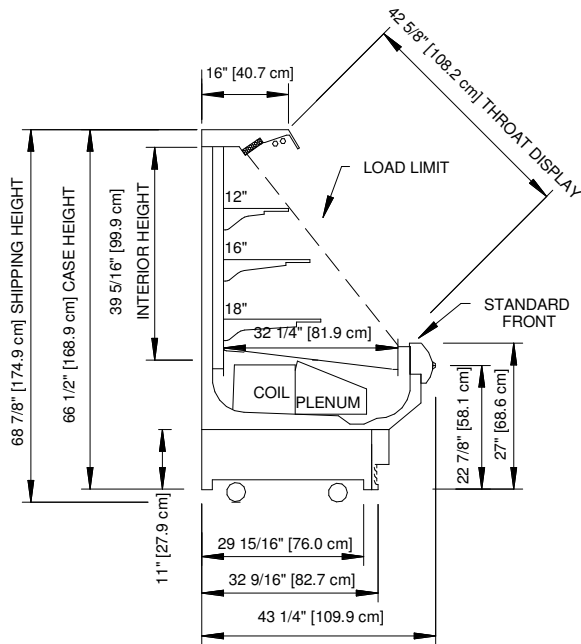
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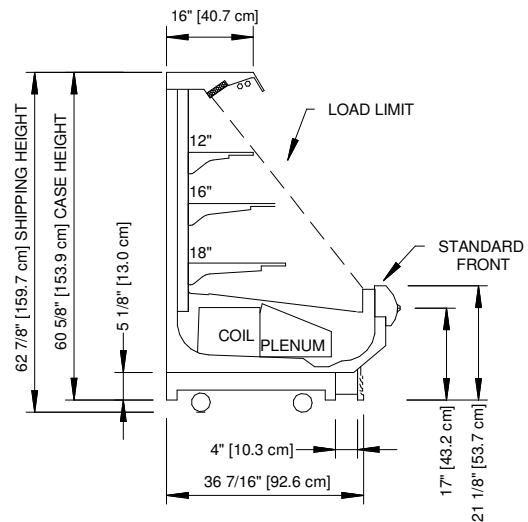
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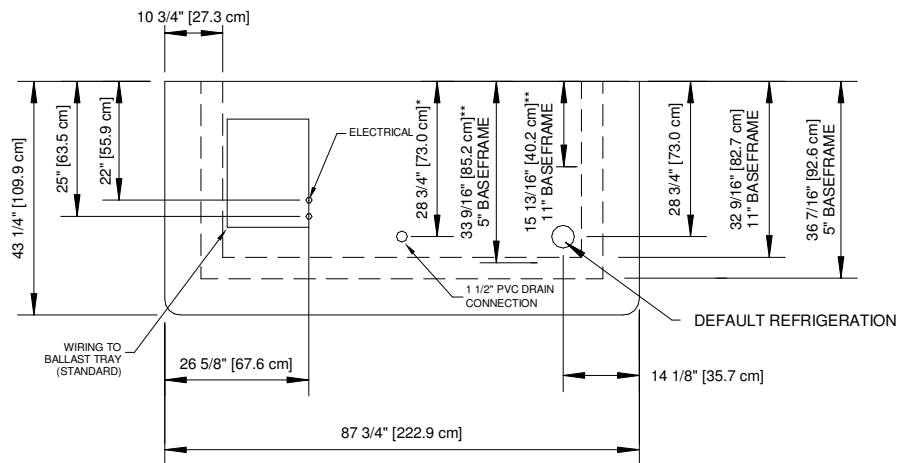
Multi-Deck End Cap Merchandiser w/ Synerg-E™  
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**11" BASE FRAME**



**5" BASE FRAME**



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