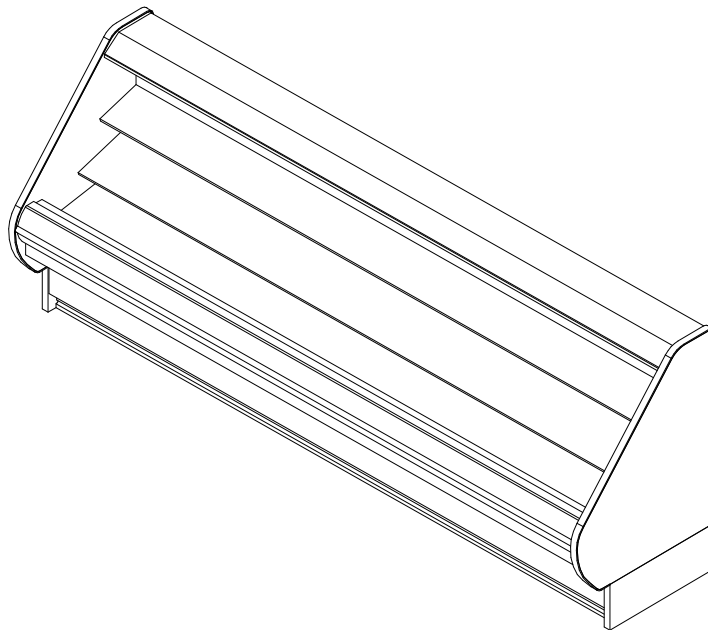


ON3UM-NRG

4', 6', 8', 12' Narrow Multi-Deck Merchandiser with Synerg-E™
Dairy/Deli/Meat/Produce

GENERAL NOTES

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



SHIPPING WEIGHT	
Case	Weight
ON3UM-NRG	---



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Hillphoenix
A DOVER COMPANY

ON3UM-NRG

4', 6', 8', 12' Narrow Multi-Deck Merchandiser with Synerg-E™
Dairy/Deli/Meat/Produce

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	760	690	6 - 8	28	31	200
Meat	Extended	760	670	6 - 8	26	30	200

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 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.
- Rear refrigerated box increases refrigeration load by 110 BTUH/ft.
- BTUH load increases by 132 BTUH/ft when aftermarket merchandising accessories are utilized.
- Listed evaporator temperature indicates 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 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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Hillphoenix
A DOVER COMPANY

ON3UM-NRG

4', 6', 8', 12' Narrow Multi-Deck Merchandiser with Synerg-E™
Dairy/Deli/Meat/Produce

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			
ON3UM-NRG	1	Deli	All	760	690	0.17	20	31
ON3UM-NRG	1	Meat	All	760	670	0.21	20	31
ON3UM-NRG	1	Deli	All	760	690	0.44	25	31
ON3UM-NRG	1	Meat	All	760	670	0.63	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)
ON3UM-NRG	1	Deli	All	20	6	60	47	26	49
ON3UM-NRG	1	Meat	All	20	6	60	47	26	49
ON3UM-NRG	1	Deli	All	25	6	45	42	26	49
ON3UM-NRG	1	Meat	All	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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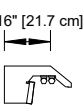
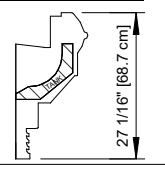
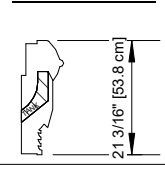
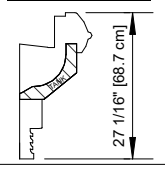
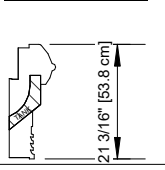
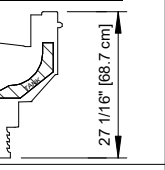
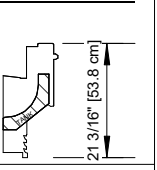
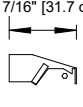
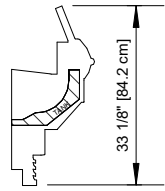
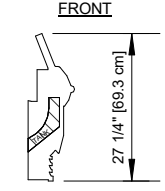
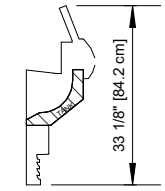
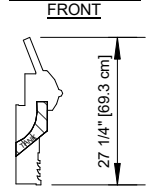
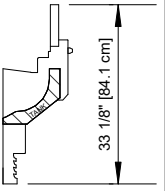
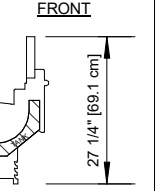
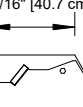
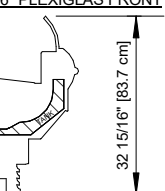
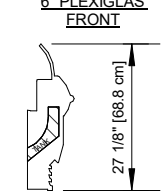
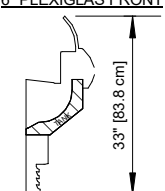
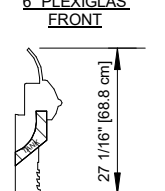
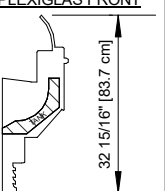
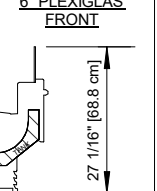
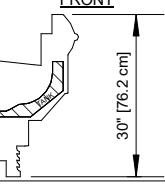
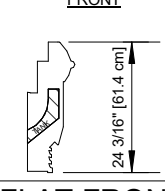
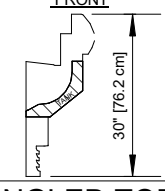
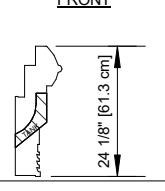
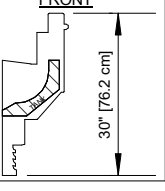
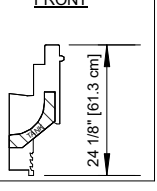
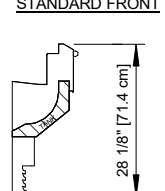
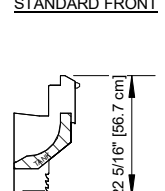
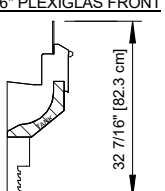
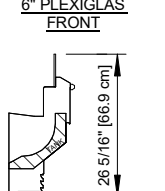
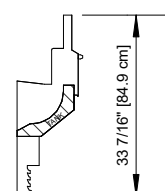
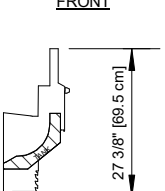
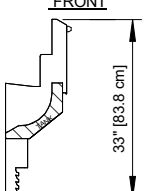
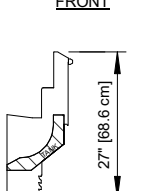
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4', 6', 8', 12' Narrow Multi-Deck Merchandiser with Synerg-E™
Dairy/Deli/Meat/Produce

REAR SILL OPTIONS	FRONT OPTIONS					
	ORIGIN 2 FRONT				FLAT FRONT FLAT TOP	
	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT
STANDARD REAR SILL  8 9/16" [21.7 cm]						
12 1/2" REAR SILL  12 7/16" [31.7 cm]						
16" REAR SILL (REAR DISCHARGE)  16 1/16" [40.7 cm]						
	EXTENDED STANDARD FRONT 	EXTENDED STANDARD FRONT 	EXTENDED STANDARD FRONT 	EXTENDED STANDARD FRONT 	EXTENDED STANDARD FRONT 	EXTENDED STANDARD FRONT 
	FLAT FRONT ANGLED TOP					
	STANDARD FRONT 	STANDARD FRONT 	6" PLEXIGLAS FRONT 	6" PLEXIGLAS FRONT 		
	6" THERMOPANE FRONT 	6" THERMOPANE FRONT 	EXTENDED STANDARD FRONT 	EXTENDED STANDARD FRONT 		

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.



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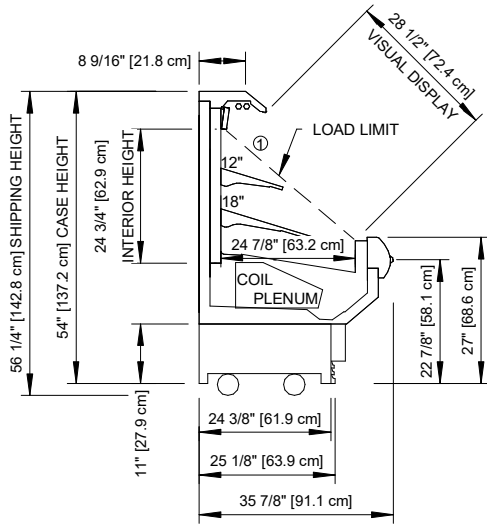
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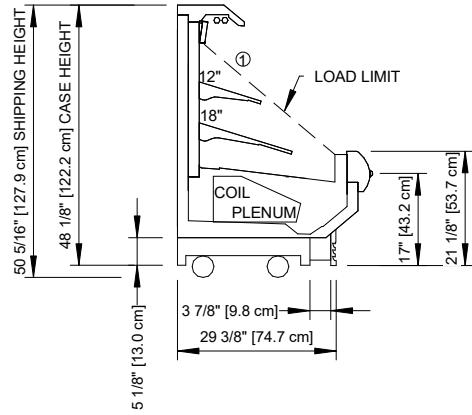


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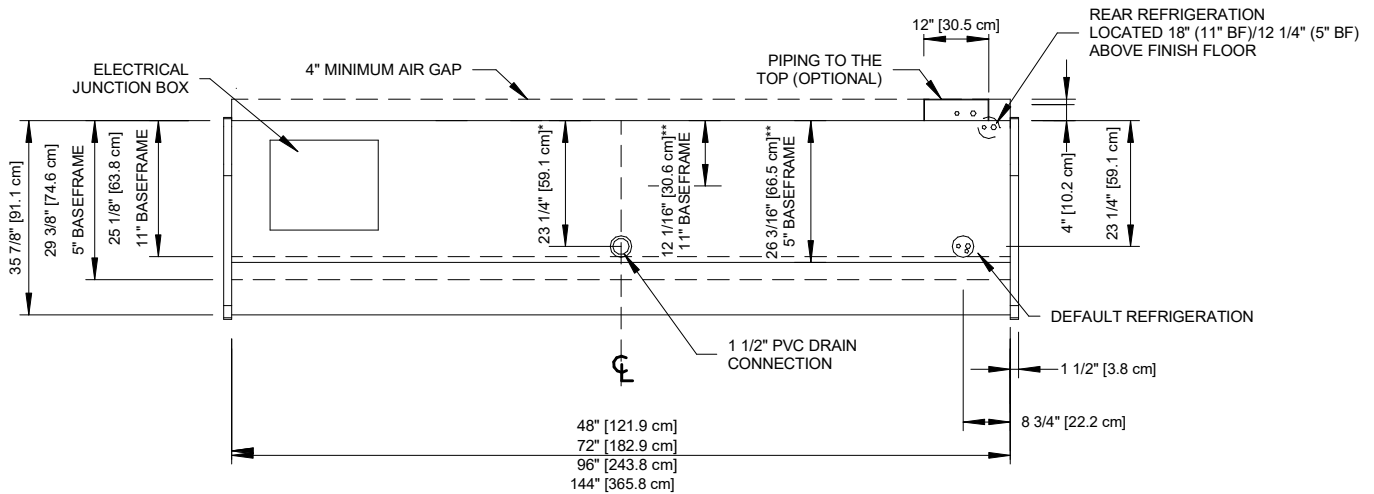
4', 6', 8', 12' Narrow Multi-Deck Merchandiser with Synerg-E™
Dairy/Deli/Meat/Produce



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" to case height, 1" to the front and 1/2" to the back.
- Product on top shelf should be 3 inches below discharge.



COMPONENT

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