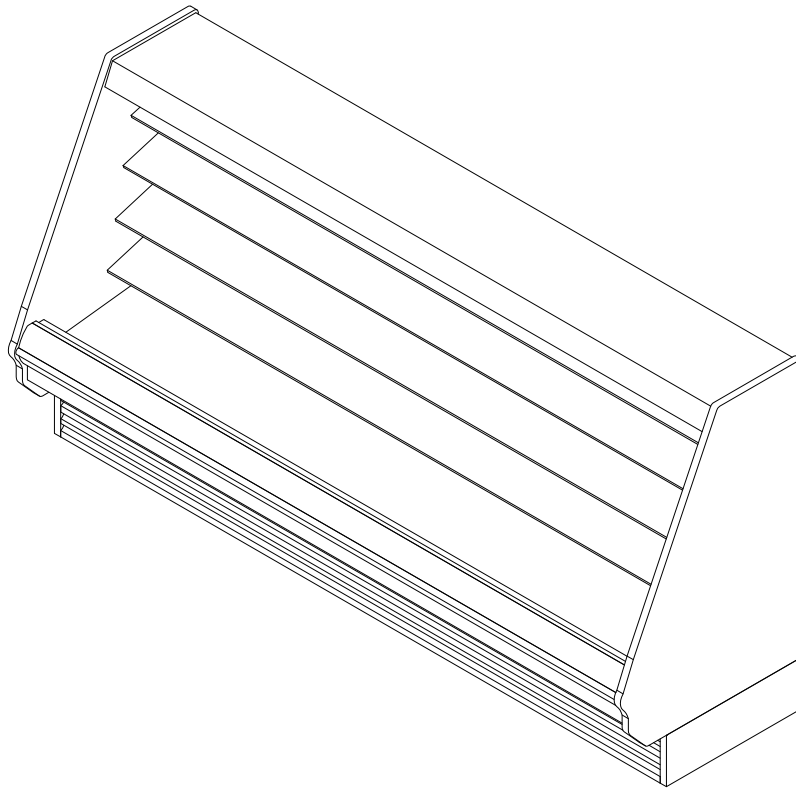


O5UM-NRG

Multi-Deck Merchandiser with Synerg-E™
4', 6', 8', 12' 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.
- Nose lights are not available.



SHIPPING WEIGHT	
Case	Weight
O5UM-NRG	---



O5UM-NRG

ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

Rev Date:	Rev #	Revision Description:
9-12-18	3	DATA UPDATE
6-5-18	2	NEW STANDARDS



O5UM-NRG

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

ELECTRICAL DATA			
Case Length	Fans Per Case	High Efficiency Fans	
		120 Volt	
		Amps	Watts
4'	1	0.20	14.0
6'	2	0.40	28.0
8'	2	0.40	28.0
12'	3	0.60	42.0

LIGHTING DATA					
Case Length	Lights per row	Clearvoyant v4 LED Lighting (Per Light Row)			
		Standard Power (Cornice or Shelf)		High Power (Cornice Only)	
		120 Volts		120 Volts	
		Amps	Watts	Amps	Watts
4'	1	0.05	5.9	0.12	14.9
6'	2	0.08	9.4	0.20	23.8
8'	2	0.10	11.8	0.25	29.9
12'	3	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	1143	1000	6 - 8	28	31	180
Meat	Extended	1133	992	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 with this case model and/or the data is not available at this time.
- Listed anti-condensate heater data represent an unlighted rear sill.
- Listed BTUH/ft data represent unlighted shelves. For LED lighting, add 9 BTUH/ft per row of lighted shelving.
- 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.
- Timed off defrost is recommended for medium temperature applications.



O5UM-NRG

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O5UM-NRG

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

SECOND NATURE DATA								
Case Model	No. of Coils	Application	Front Sill Type	BTUH/ft (DR)		GPM/ft (DR)	Supply Fluid Temp (F)	Discharge Air Temp (F)
				Conventional	Parallel			
O5UM-NRG	1	Dairy/Deli/Produce	All	1143	1000	0.30	20	31
O5UM-NRG	1	Meat	Extended	1133	992	0.35	20	30
O5UM-NRG	1	Dairy/Deli/Produce	All	1143	1000	0.76	25	31
O5UM-NRG	1	Meat	Extended	1133	992	1.05	25	30

SECOND NATURE DATA								
Case Model	No. of Coils	Application	Front Sill Type	No. of Defrost	Timed Off Defrost		Warm Fluid Defrost	
					Fail Safe (Min)	Termination Temp (F)	Fail Safe (Min)	Termination Temp (F)
O5UM-NRG	1	Dairy/Deli/Produce	All	6	60	47	26	49
O5UM-NRG	1	Meat	Extended	6	60	47	26	49
O5UM-NRG	1	Dairy/Deli/Produce	All	6	45	42	26	49
O5UM-NRG	1	Meat	Extended	6	45	42	26	49



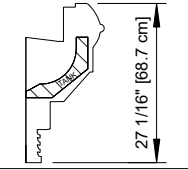
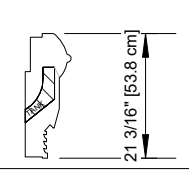
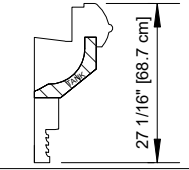
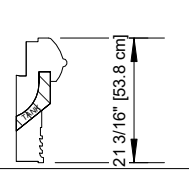
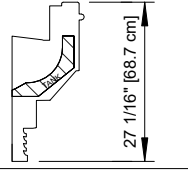
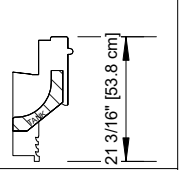
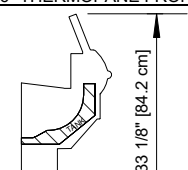
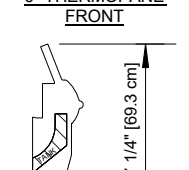
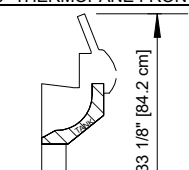
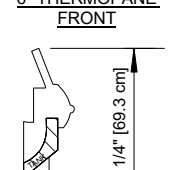
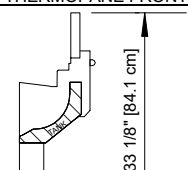
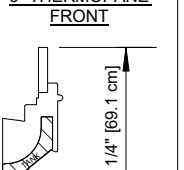
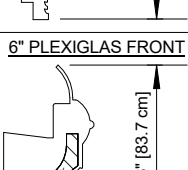
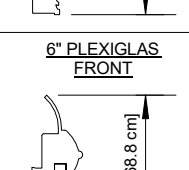
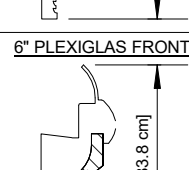
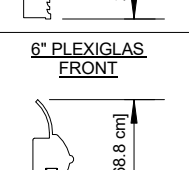
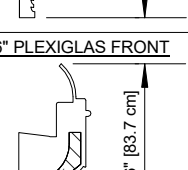
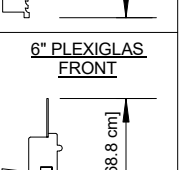
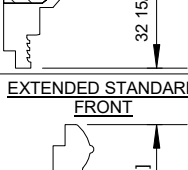
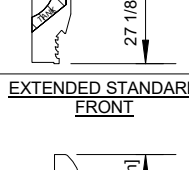
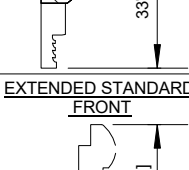
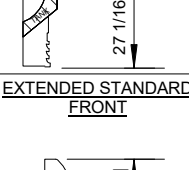
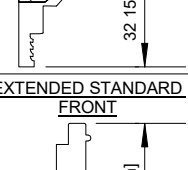
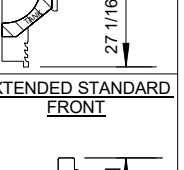
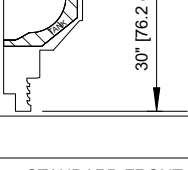
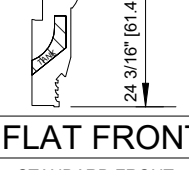
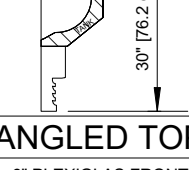
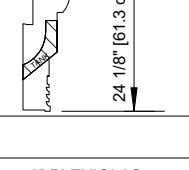
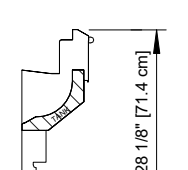
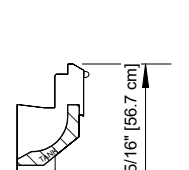
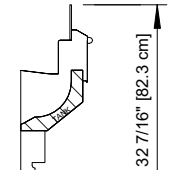
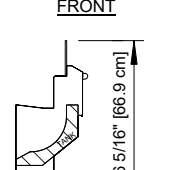
COMPONENT

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9-12-18	3	DATA UPDATE
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REAR SILL OPTIONS	FRONT OPTIONS					
	ORIGIN 2 FRONT				FLAT FRONT FLAT TOP	
16" REAR SILL (FRONT DISCHARGE)	STANDARD FRONT  27 1/16" [68.7 cm]	STANDARD FRONT  21 3/16" [53.8 cm]	STANDARD FRONT  27 1/16" [68.7 cm]	STANDARD FRONT  21 3/16" [53.8 cm]	STANDARD FRONT  27 1/16" [68.7 cm]	STANDARD FRONT  21 3/16" [53.8 cm]
16" [40.7 cm]	6" THERMOPANE FRONT  33 1/8" [84.2 cm]	6" THERMOPANE FRONT  27 1/4" [69.3 cm]	6" THERMOPANE FRONT  33 1/8" [84.2 cm]	6" THERMOPANE FRONT  27 1/4" [69.3 cm]	6" THERMOPANE FRONT  33 1/8" [84.1 cm]	6" THERMOPANE FRONT  27 1/4" [69.1 cm]
18" REAR SILL (FRONT DISCHARGE)	6" PLEXIGLAS FRONT  32 15/16" [83.7 cm]	6" PLEXIGLAS FRONT  27 1/8" [68.8 cm]	6" PLEXIGLAS FRONT  33" [83.8 cm]	6" PLEXIGLAS FRONT  27 1/16" [68.8 cm]	6" PLEXIGLAS FRONT  32 15/16" [83.7 cm]	6" PLEXIGLAS FRONT  27 1/16" [68.8 cm]
18" [45.8 cm]	EXTENDED STANDARD FRONT  30" [76.2 cm]	EXTENDED STANDARD FRONT  24 3/16" [61.4 cm]	EXTENDED STANDARD FRONT  30" [76.2 cm]	EXTENDED STANDARD FRONT  24 1/8" [61.3 cm]	EXTENDED STANDARD FRONT  30" [76.2 cm]	EXTENDED STANDARD FRONT  24 1/8" [61.3 cm]
20" REAR SILL (FRONT DISCHARGE)	FLAT FRONT ANGLED TOP					
20 1/8" [51.0 cm]	STANDARD FRONT  28 1/8" [71.4 cm]	STANDARD FRONT  22 5/16" [56.7 cm]	6" PLEXIGLAS FRONT  32 7/16" [82.3 cm]	6" PLEXIGLAS FRONT  26 5/16" [66.9 cm]		
	6" THERMOPANE FRONT  33 7/16" [84.9 cm]	6" THERMOPANE FRONT  27 3/8" [69.5 cm]	EXTENDED STANDARD FRONT  33" [83.8 cm]	EXTENDED STANDARD FRONT  27" [68.6 cm]		

NOTES:

- Front and rear sill height vary with baseframe.
- 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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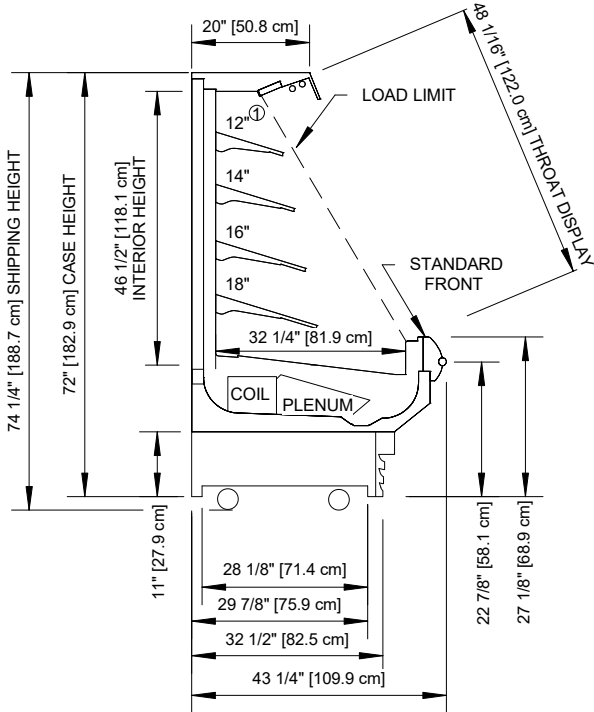
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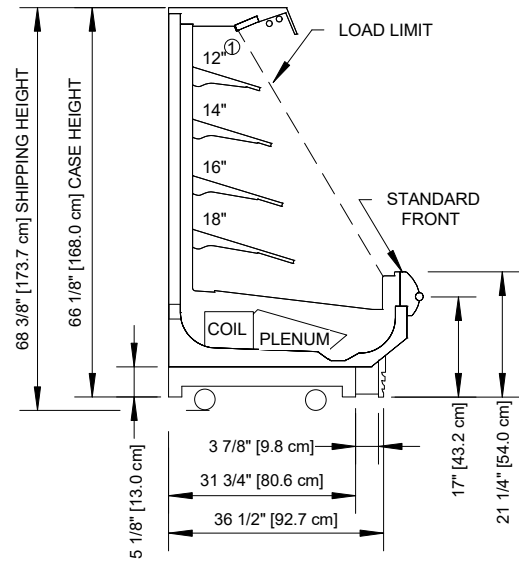
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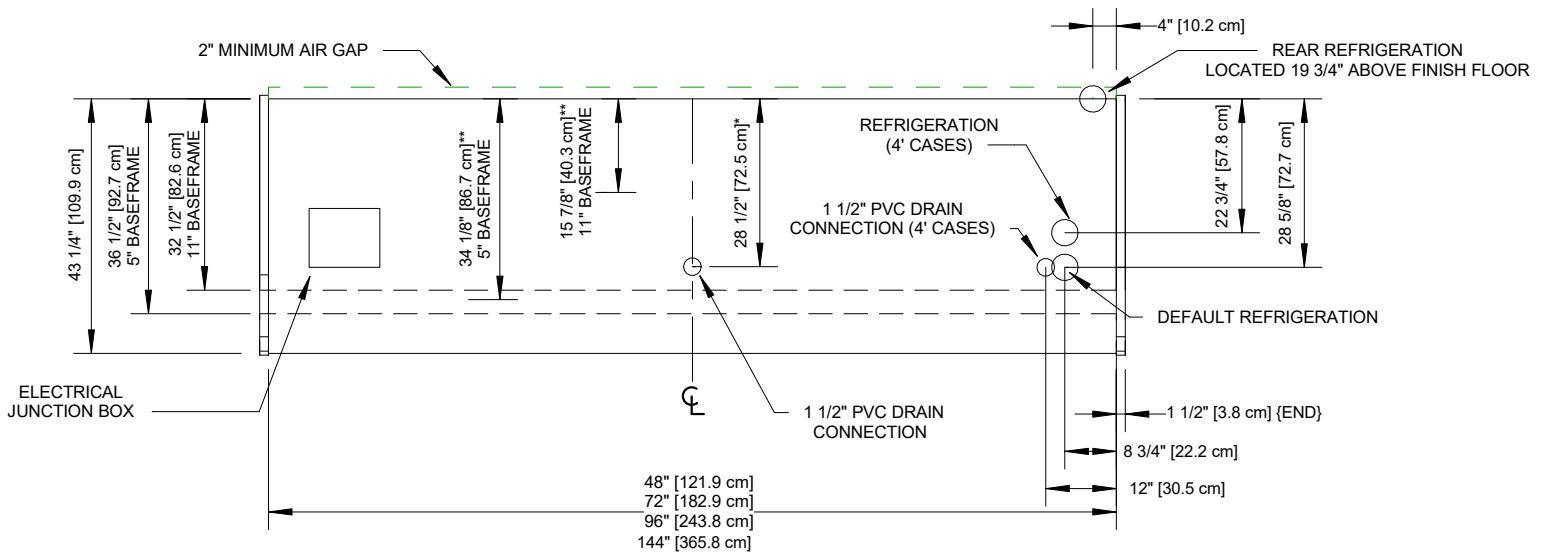
Multi-Deck Merchandiser with Synerg-E™
4', 6', 8', 12' Dairy/Deli/Meat/Produce



11" BASEFRAME



5" BASEFRAME



NOTES:

- * :STUB-UP AREA
- ** :RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS AVAILABLE UPON REQUEST
- ① :AVAILABLE SHELF SIZES: 10", 12", 14", 16" & 18"

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



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