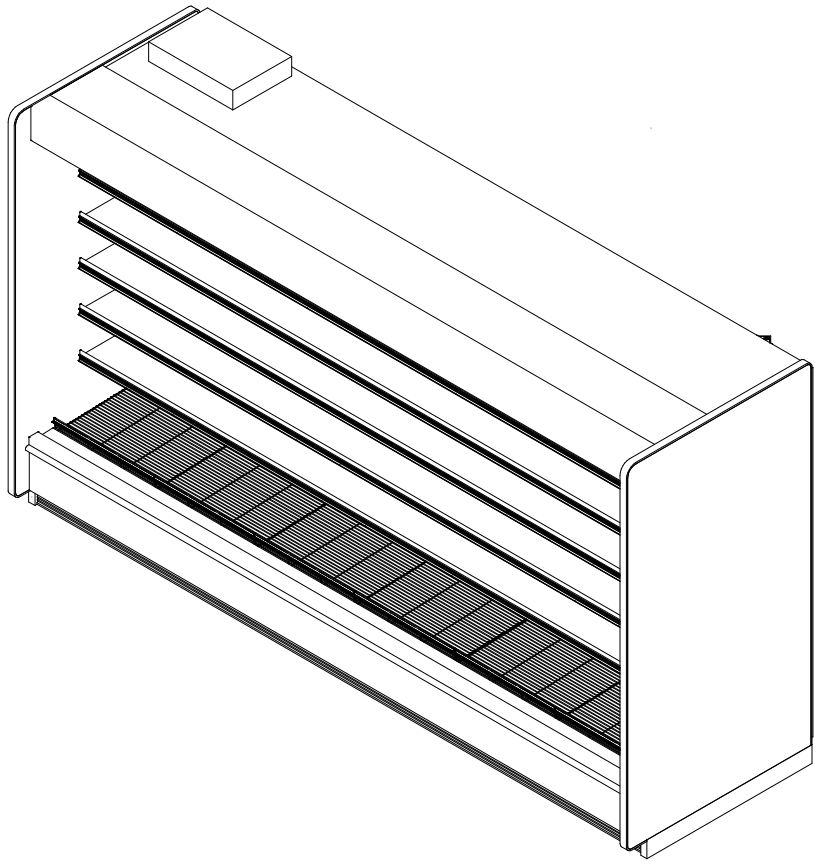
5DMLH-NRG

4', 6', 8' & 12' High Multi-Deck Merchandiser with Synerg-E™
Beverage/Bulk Produce/Bakery/Dairy/Cut Produce/Deli

GENERAL NOTES:

- "- - -" indicates that the feature is not available for this case model and/or the data is not available yet.
- LED lights only.



SHIPPING WEIGHT	
Case	Weight
5DMLH-NRG	---

2017 DOE COMPLIANT

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5DMLH-NRG

Rev. Date	Rev. #	Rev. Title
03-15-24	12	DATA UPDATE
09-09-22	11	DATA UPDATE

Clearvoyant LED SYSTEM

Hillphoenix a DOVER company

5DMLH-NRG

4', 6', 8' & 12' High Multi-Deck Merchandiser with Synerg-E™
Beverage/Bulk Produce/Bakery/Dairy/Cut Produce/Deli

ELECTRICAL DATA			
Case Length	Fans Per Case	High Efficiency Fans 120 Volts	
		Amps	Watts
4'	2	0.38	43.0
6'	3	0.57	65.0
8'	3	0.57	65.0
12'	4	0.73	87.0

LIGHTING DATA						
Case Length	Lights Per Row	Light Length	Clearvoyant V4 LED Lighting (Per Light Row)			
			Standard Power (Cornice or Shelf) 120 Volts		High Power (Cornice Only) 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 {DIRECT EXPANSION HFC/CO2}						
Application	BTUH/ft		Superheat Set Point @ Bulb (°F)	Evaporator (°F)	Discharge Air (°F)	Discharge Air Velocity (FPM)
	Conventional	Parallel				
Bakery/Cut Produce/Dairy/Deli	1608	1360	6 - 8	30	33	190
Beverage/Bulk Produce	1315	1110	6 - 8	32	37	190

DEFROST CONTROLS {DIRECT EXPANSION HFC/CO2}			
Application	Defrosts Per Day	Timed-Off Defrost	
		Fail-Safe (Min)	Termination Temp (°F)
Bakery/Cut Produce/Dairy/Deli	6	45	47
Beverage/Bulk Produce	2	30	47

NOTES:

- Listed BTUH/ft data represent unlighted shelves. For LED lighting, add 9 BTUH/ft to determine Total Case Lighting BTUH Load, then divide by the length of the case to obtain a value in BTUH/ft. 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 immediately after defrost completion using a Testo 410i vane anemometer with anemometer air scoop (HP part number P109185M) positioned adjacent to the interior edge of the discharge honeycomb.
- The recommended evaporator temperature and defrost settings 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.
- Discharge air temperature values represent readings taken within the upper air channel immediately behind/upstream of the honeycomb.
- For optimal defrost performance, it is recommended to close both the liquid line and suction line during defrost. Published defrost data are based upon this configuration. Parameter changes may be required if alternative control methods are used.

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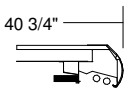
Hillphoenix a DOVER company

5DMLH-NRG

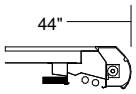
4', 6', 8' & 12' High Multi-Deck Merchandiser with Synerg-E™
Beverage/Bulk Produce/Bakery/Dairy/Cut Produce/Deli

CORNICE OPTIONS

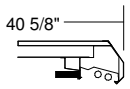
CURVED CORNICE



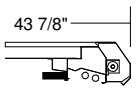
CURVED CORNICE WITH NIGHT COVER



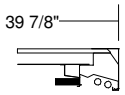
FAUCETED CORNICE



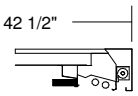
FAUCETED CORNICE WITH NIGHT COVER



FLAT CORNICE

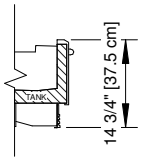


FLAT CORNICE WITH NIGHT COVER

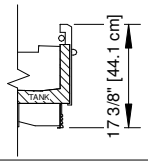


FRONT OPTIONS

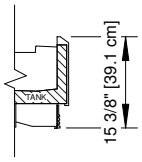
CLASSIC 2 STANDARD FRONT



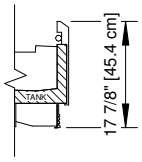
CLASSIC 2 17" FRONT *



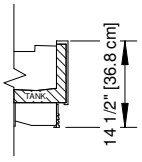
ANGLED FRONT



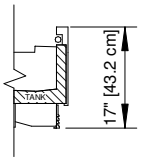
ANGLED FRONT *



FLAT FRONT



17" FLAT FRONT *



SHELF TAG MOLDING OPTIONS

1.25" STD

SLOTTED

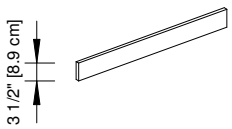
ANGLED

ANGLED SLOTTED

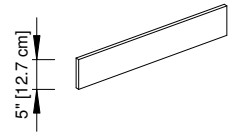
PRODUCT STOP OPTIONS

(ONLY APPLICABLE ON SLOTTED TM)

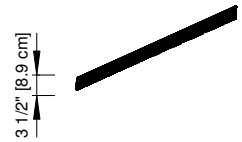
3" PLEXI PRODUCT STOPS



5" PLEXI PRODUCT STOPS

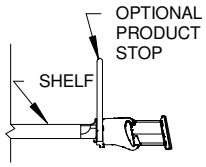


WIRE FENCE PRODUCT STOPS

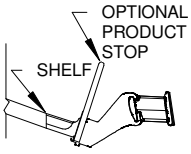


SHELF EDGE ENERGY SAVINGS

ECO BLADE FLAT SHELF



ECO BLADE ANGLED SHELF



NOTES:

- Tag molding materials are PVC, aluminum, or painted aluminum.
- See Ecoblade tech sheet for additional information.
- * W/ & W/O nose lights

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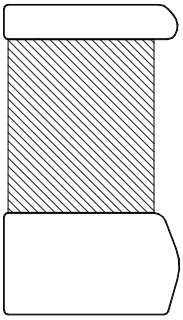
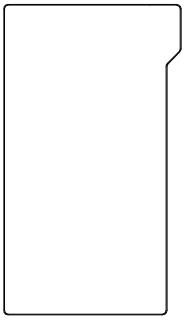
END STYLE OFFERINGS

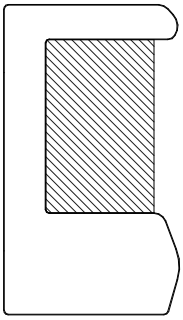
SUPER VIEW



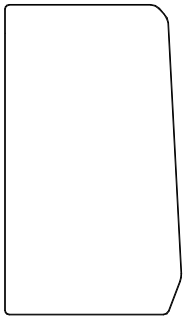
SOLID (EXTENDED CANOPY)



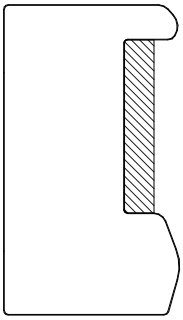
FULL VIEW



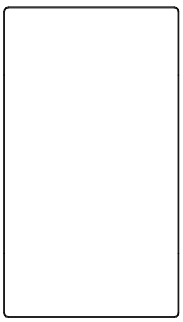
SOLID (STANDARD CANOPY)



REDUCED VIEW



SQUARE



NOTES:

- Ends shown are for general use only. Shape, size, and appearance are subject to change based on engineering configuration.
- Hatched regions represent glass inserts.
- Ends add approximately 1" to case height, 1/2" to the back & 1" to the front.
- Ends are available with either polymer end trim or metal end trim.

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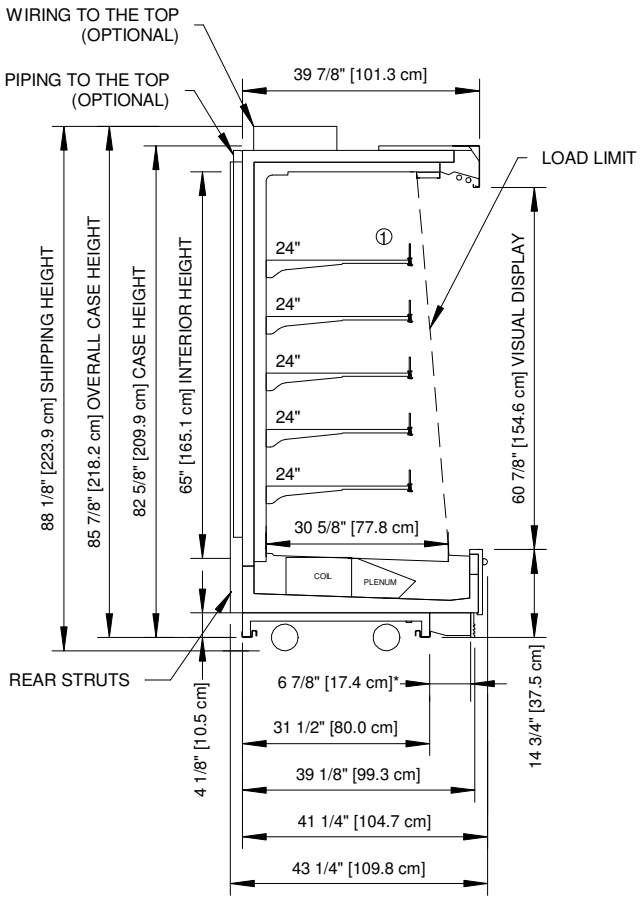

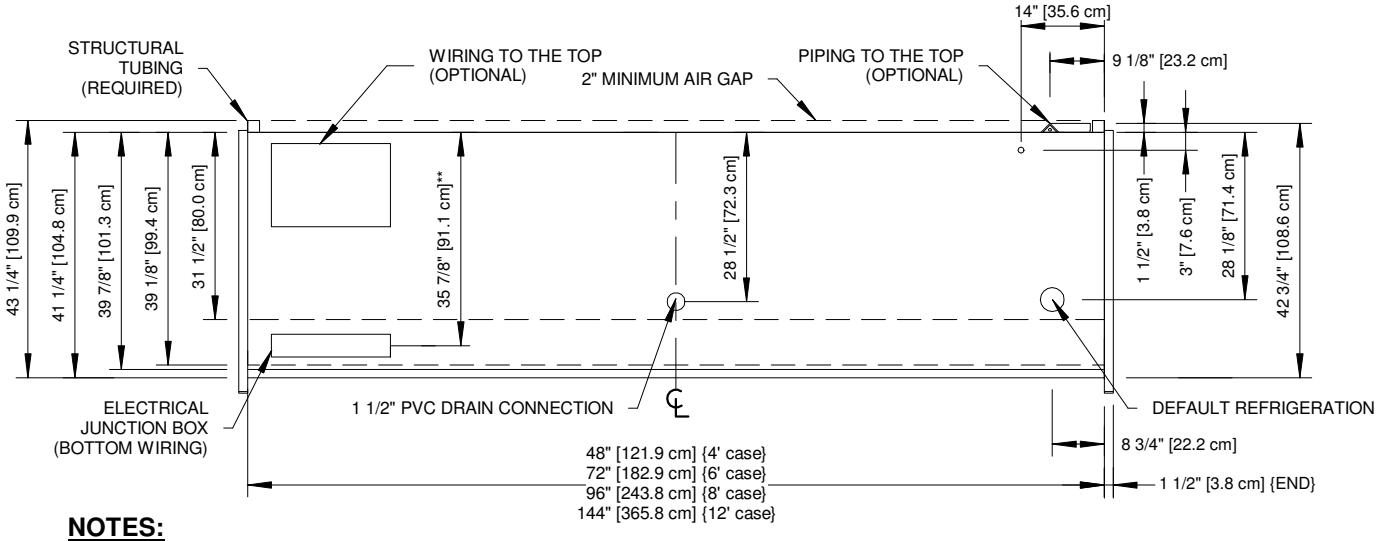

NOTES:

* : STUB-UP AREA
** : RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS
① : AVAILABLE SHELF SIZES: 10", 12", 14", 16", 18", 20", 22" & 24"; (5) ROWS OF SHELVES MAX

- Rear struts add 2" to the rear of the case.
- Optional back panels add approximately 1" to the rear of the case.
- Ends add approximately 1" to case height, 1/2" to the back & 1" to the front.

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