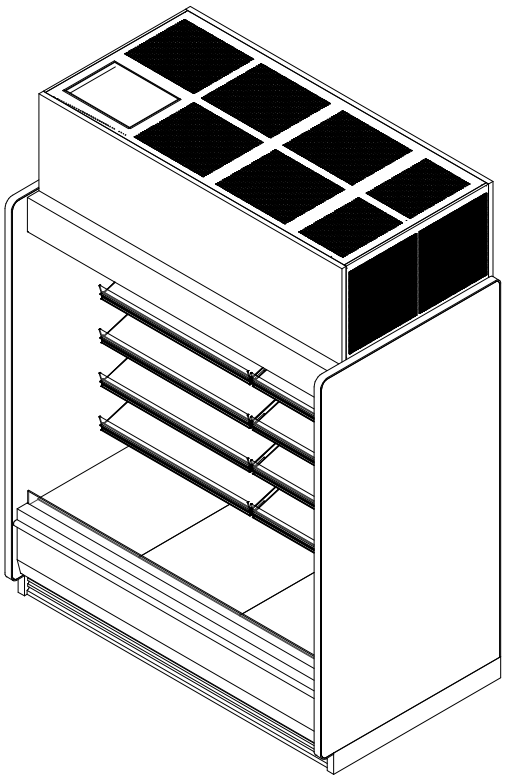
O5MA-NRG

4' & 6' Multi-Deck Merchandiser with Synerg-E™
Meat

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 6 rows of standard output LED lighted shelves.
- NSF Type 1 – Designed to operate in an air-conditioned store that maintains a 75°F (24°C) store temperature and 55% (max) relative humidity. Case operation will be adversely affected by exposure to excessively high ambient temperatures and/or humidity.
- WARNING: R-290 flammable refrigerant in use. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.



SHIPPING WEIGHT	
Case	Weight
O5MA-NRG	---

2017 DOE COMPLIANT

COMPONENT

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

O5MA-NRG

Rev. Date	Rev. #	Rev. Title
02-02-26	1	OPTIONS UPDATE
12-03-25	0	R-290 CONVERSION

O5MA-NRG

4' & 6' Multi-Deck Merchandiser with Synerg-E™
Meat

R-290 ECO FRIENDLY

SYSTEM REQUIREMENTS								
Case Length	Volts	Phase	Optional Factory Installed Plug	Frequency (Hz)	MCA	MOP	24hr Energy Usage (kWh)	THR (BTUH)
4'	120/208	1	NEMA L14-30	60	21.7	25	33.9	4820.0
6'	120/208	1	NEMA L14-30	60	24.8	30	48.3	6867.0

ELECTRICAL DATA					
Case Length	Fans Per Case	High Efficiency Fans		Evaporator Pan Heater	
		120 Volts		208 Volts	
		Amps	Watts	Amps	Watts
4'	2	0.40	68	3.6	750
6'	3	0.40	68	3.6	750

LIGHTING DATA						
Case Length	Lights Per Row	Light Length	High Power (Cornice Only)		Standard Power (Cornice or Shelf)	
			120 Volts		120 Volts	
			Amps	Watts	Amps	Watts
4'	1	4'	0.5	58.8	0.05	5.9
6'	2	3'	0.8	96.0	0.08	9.4

GUIDELINES AND CONTROL SETTINGS			
Application	Superheat Set Point @ Bulb (°F)	Discharge Air (°F)	Discharge Air Velocity (FPM)
Meat	6-8	30	190

CONDENSING UNIT DATA								
Case Length	Volts	Phase	Frequency (Hz)	Horsepower	Running Load Amps (RLA)	Locked Rotor Amps (LRA)	Refrigerant	Refrigerant (g)
4'	208	1	60	1 1/2	10	40.3	R-290	340
6'	208	1	60	2	12	56.0	R-290	390

DEFROST CONTROLS			
Case Length	Defrosts Per Day	Timed-Off Defrost	
		Fail-Safe (Min)	Termination Temp (°F)
4'	8	45	45
6'	8	45	47

NOTES:

- "---" indicates that the feature is not an option for this case model and/or the data is not yet available.
- 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 case performance in fresh meat applications, Hillphoenix recommends that the merchandising depth in the bin area not exceed 4 inches.

2017 DOE COMPLIANT NSF c UL us COMPONENT

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SECOND NATURE NATURAL

Clearvoyant LED SYSTEM

Hillphoenix a DOVER company

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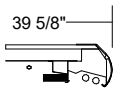
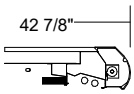
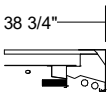
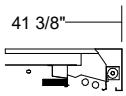
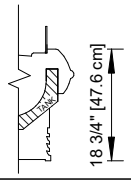
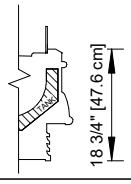
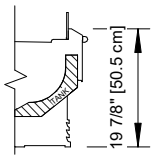
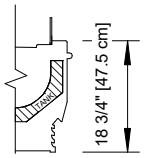
4' & 6' Multi-Deck Merchandiser with Synerg-E™
Meat

R-290 ECO FRIENDLY

CORNICE OPTIONS

CURVED CORNICE	CURVED CORNICE WITH NIGHT COVER	FLAT CORNICE	FLAT CORNICE WITH NIGHT COVER
			

FRONT OPTIONS

ORIGIN 2	CLASSIC 2 POLYMER
18" FRONT 	18" FRONT 
FLAT OPTION 1	**FLAT OPTION 2**
18" FRONT 	18" FRONT 

2017 DOE COMPLIANT NSF c UL us COMPONENT

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SECOND NATURE NATURAL

Clearvoyant LED SYSTEM

Hillphoenix a DOVER company

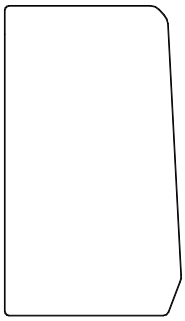
O5MA-NRG

4' & 6' Multi-Deck Merchandiser with Synerg-E™
Meat

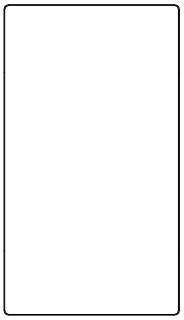
R-290 ECO FRIENDLY

END STYLE OFFERINGS

SOLID



SQUARE



NOTES:

- Ends shown are for general use only. Shape, size, and appearance are subject to change based on engineering configuration.
- Ends are approximately 1 1/2" thick.
- 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.

2017 DOE COMPLIANT COMPONENT

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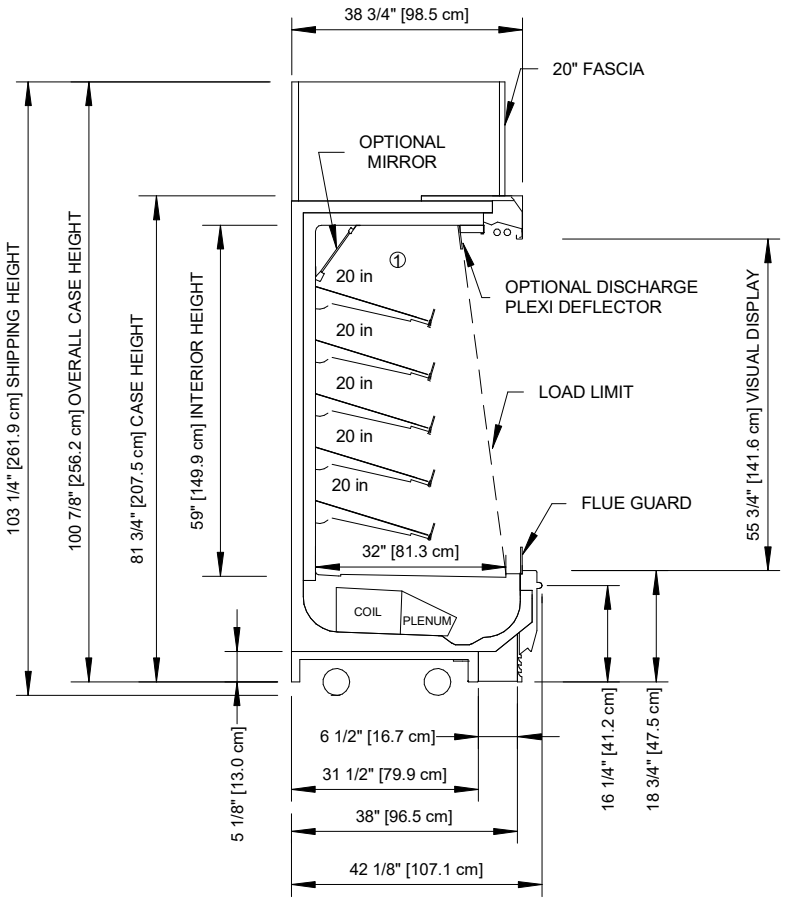
SECOND NATURE NATURAL

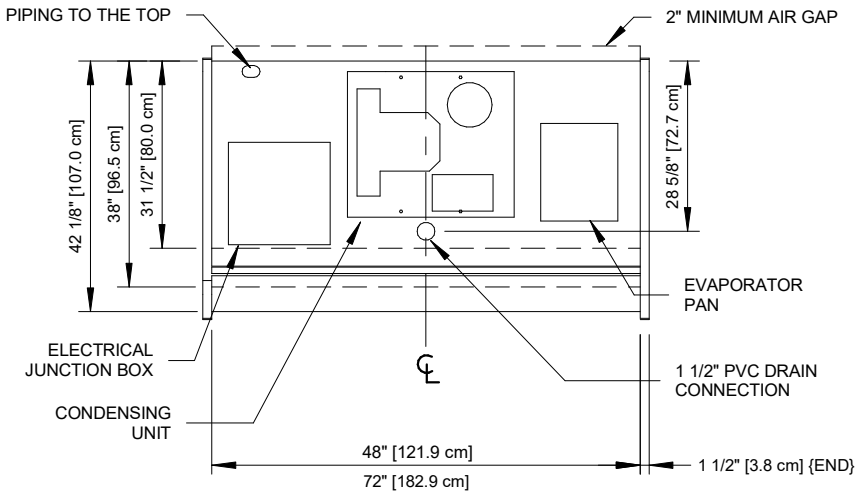
Clearvoyant LED SYSTEM

Hillphoenix a DOVER company

O5MA-NRG

4' & 6' Multi-Deck Merchandiser with Synerg-E™
Meat





NOTES:

* : STUB-UP AREA

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

① : AVAILABLE SHELF SIZES: 20"

- Ends add approximately 1" to case height, 1/2" to the back of the case and 1" to the front of the case.
- A 12-inch minimum clearance is required above case fascia, presuming single case line-up. Consult the factory if multiple cases are being placed in the line-up.

2017 DOE COMPLIANT

NSF

c UL us COMPONENT

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