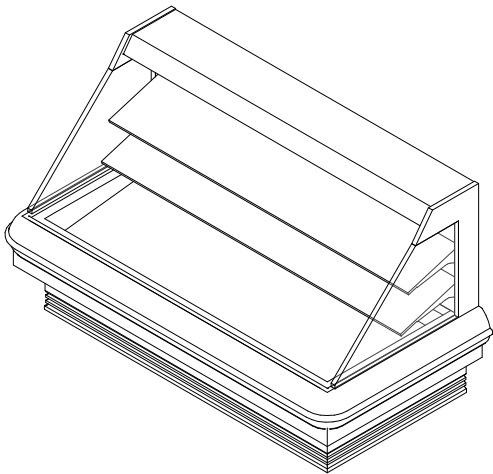


GENERAL NOTES

- "-" 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
O3EM-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.

O3EM-NRG

Rev. Date	Rev. #	Rev. Title
19-03-19	2	NEW STANDARDS
12-1-17	1	DOE 2017



ELECTRICAL DATA		
Fans Per Case	High Efficiency Fans	
	120 Volt	
	Amps	Watts
2	0.32	22.0

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'	0.08	9.4	0.20	23.8

GUIDELINES AND CONTROL SETTINGS					
BTUH/ft		Superheat Set Point @ Bulb (°F)	Evaporator (°F)	Discharge Air (°F)	Discharge Air Velocity (FPM)
Conventional	Parallel				
7076	6388	6-8	22	33	275

DEFROST CONTROLS					
Defrosts Per Day	Run Off Time (Min)	Electric Defrost		Hot Gas Defrost	
		Fail Safe (Min)	Termination Temp (°F)	Fail Safe (Min)	Termination Temp (°F)
4	6-8	40	47	45	45

## NOTES:

- BTUH/case 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.
- 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.



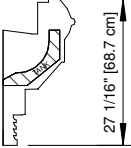
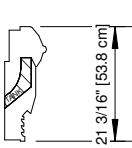
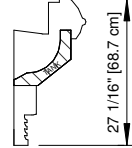
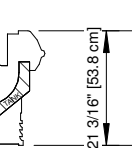
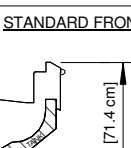
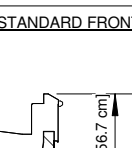
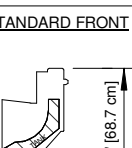
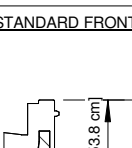



ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

## O3EM-NRG

Rev. Date	Rev. #	Rev. Title
19-03-19	2	NEW STANDARDS
12-1-17	1	DOE 2017



A DOVER COMPANY

<b>REAR SILL OPTIONS</b>	<b>FRONT OPTIONS</b> <b>ORIGIN 2 FRONT</b>			
	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT	STANDARD FRONT
				
	FLAT FRONT ANGLED TOP		FLAT FRONT FLAT TOP	
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] 				

## 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.

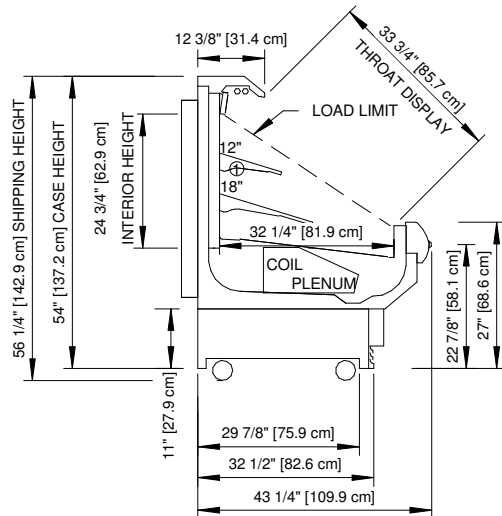


ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

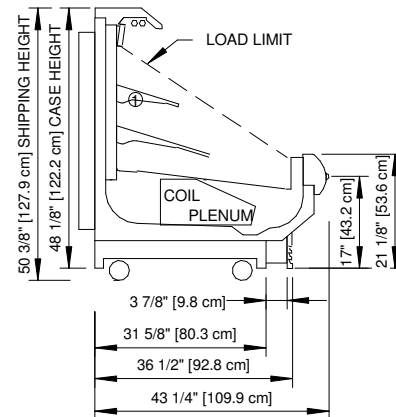
## O3EM-NRG

Rev. Date	Rev. #	Rev. Title
19-03-19	2	NEW STANDARDS
12-1-17	1	DOE 2017

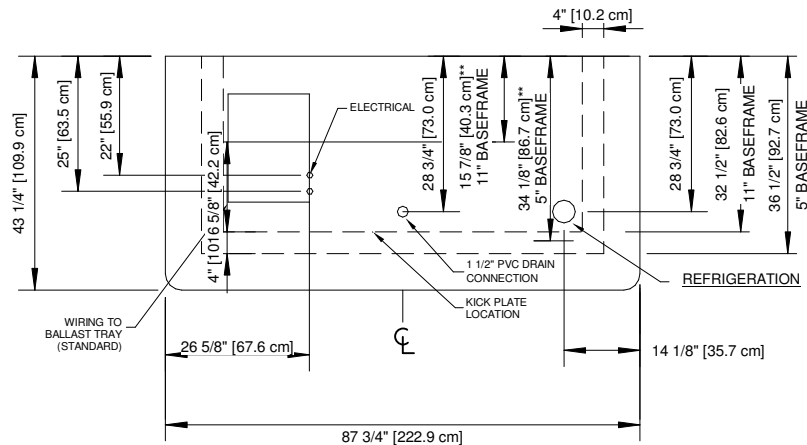
**Hillphoenix**  
A DOVER COMPANY



**11" BASE FRAME**



**5" BASE FRAME**



## NOTES:

\* : STUB-UP AREA

- SUCTION LINE - 7/8", LIQUID LINE - 3/8"
- ① • AVAILABLE SHELF SIZES: 10", 12", 14", 16" & 18"
- DASHED LINES SIGNIFY AREA INSIDE BASE RAIL BEHIND KICK-PLATE



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.

## O3EM-NRG

Rev. Date	Rev. #	Rev. Title
19-03-19	2	NEW STANDARDS
12-1-17	1	DOE 2017