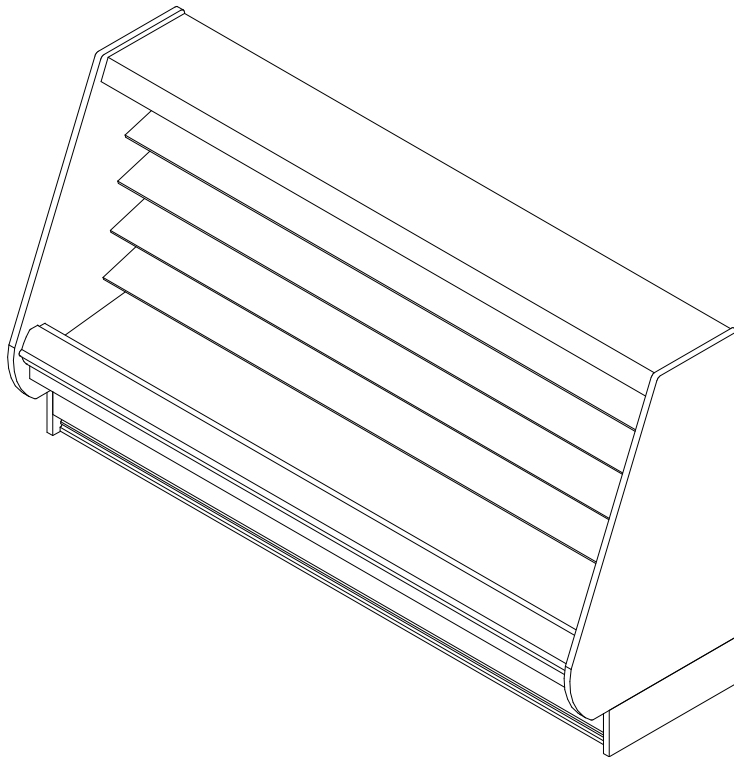


O6UM-NRG

4', 6', 8', & 12' 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.
- Nose lights are not available.



| SHIPPING WEIGHT | |
|-----------------|--------|
| Case | Weight |
| O6UM-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.

O6UM-NRG

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O6UM-NRG

4', 6', 8', & 12' 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 | 0.20 | 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 | 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 | 1223 | 1070 | 6 - 8 | 28 | 31 | 180 |
| Meat | Extended | 1216 | 1064 | 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.



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O6UM-NRG

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O6UM-NRG

4', 6', 8', & 12' 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 | | | |
| O6UM-NRG | 1 | Deli | Standard | 1223 | 1070 | 0.32 | 20 | 29 |
| O6UM-NRG | 1 | Meat | 3" Extended | 1216 | 1064 | 0.38 | 20 | 29 |
| O6UM-NRG | 1 | Deli | Standard | 1223 | 1070 | 0.82 | 25 | 29 |
| O6UM-NRG | 1 | Meat | 3" Extended | 1216 | 1064 | 1.14 | 25 | 29 |

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) |
| O6UM-NRG | 1 | Deli | Standard | 20 | 6 | 60 | 47 | 26 | 49 |
| O6UM-NRG | 1 | Meat | 3" Extended | 20 | 6 | 60 | 47 | 26 | 49 |
| O6UM-NRG | 1 | Deli | Standard | 25 | 6 | 45 | 42 | 26 | 49 |
| O6UM-NRG | 1 | Meat | 3" Extended | 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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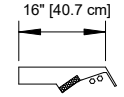
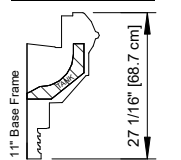
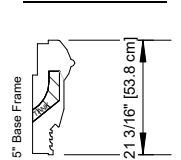
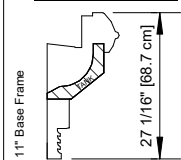
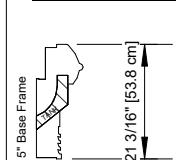
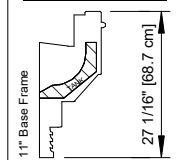
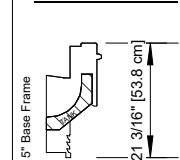
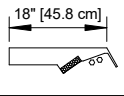
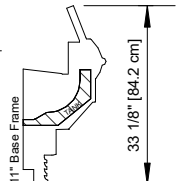
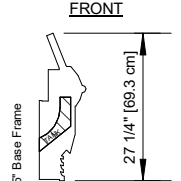
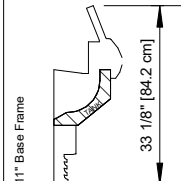
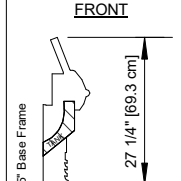
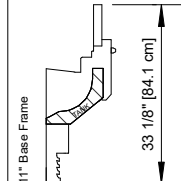
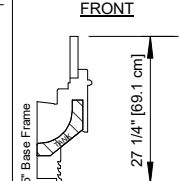
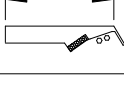
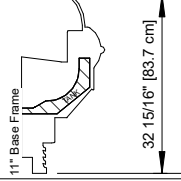
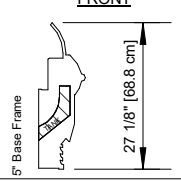
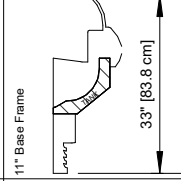
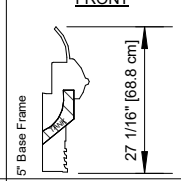
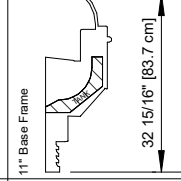
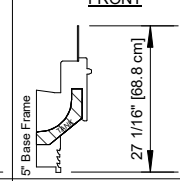
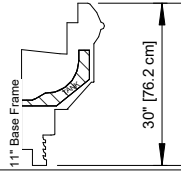

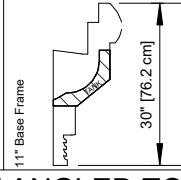
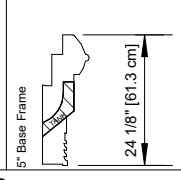
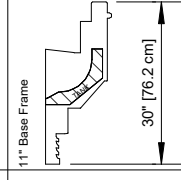
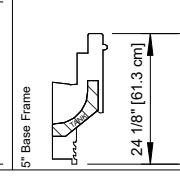
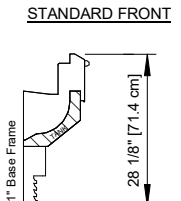
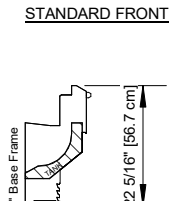
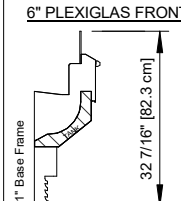
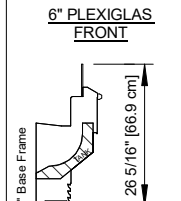
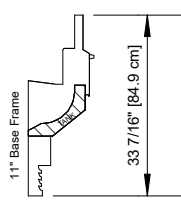
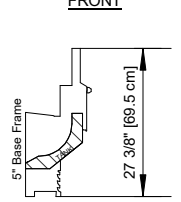
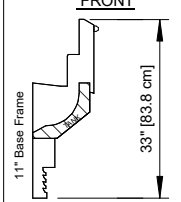
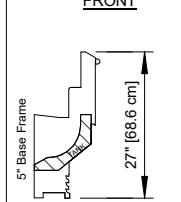
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4', 6', 8', & 12' Multi-Deck Merchandiser with Synerg-E™

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 |
| 16" REAR SILL (FRONT DISCHARGE)  16" [40.7 cm] |  11" Base Frame 27 1/16" [68.7 cm] |  5" Base Frame 21 3/16" [53.8 cm] |  11" Base Frame 27 1/16" [68.7 cm] |  5" Base Frame 21 3/16" [53.8 cm] |  11" Base Frame 27 1/16" [68.7 cm] |  5" Base Frame 21 3/16" [53.8 cm] |
| 18" REAR SILL (FRONT DISCHARGE)  18" [45.8 cm] | 6" THERMOPANE FRONT  11" Base Frame 33 1/8" [84.2 cm] | 6" THERMOPANE FRONT  5" Base Frame 27 1/4" [69.3 cm] | 6" THERMOPANE FRONT  11" Base Frame 33 1/8" [84.2 cm] | 6" THERMOPANE FRONT  5" Base Frame 27 1/4" [69.3 cm] | 6" THERMOPANE FRONT  11" Base Frame 33 1/8" [84.1 cm] | 6" THERMOPANE FRONT  5" Base Frame 27 1/4" [69.1 cm] |
| 20" REAR SILL (FRONT DISCHARGE)  20 1/8" [51.0 cm] | 6" PLEXIGLAS FRONT  11" Base Frame 32 15/16" [83.7 cm] | 6" PLEXIGLAS FRONT  5" Base Frame 27 1/8" [68.8 cm] | 6" PLEXIGLAS FRONT  11" Base Frame 33" [83.8 cm] | 6" PLEXIGLAS FRONT  5" Base Frame 27 1/16" [68.8 cm] | 6" PLEXIGLAS FRONT  11" Base Frame 32 15/16" [83.7 cm] | 6" PLEXIGLAS FRONT  5" Base Frame 27 1/16" [68.8 cm] |
| | EXTENDED STANDARD FRONT  11" Base Frame 30" [76.2 cm] | EXTENDED STANDARD FRONT  5" Base Frame 24 3/16" [61.4 cm] | EXTENDED STANDARD FRONT  11" Base Frame 30" [76.2 cm] | EXTENDED STANDARD FRONT  5" Base Frame 24 1/8" [61.3 cm] | EXTENDED STANDARD FRONT  11" Base Frame 30" [76.2 cm] | EXTENDED STANDARD FRONT  5" Base Frame 24 1/8" [61.3 cm] |
| | FLAT FRONT ANGLED TOP | | | | | |
| | STANDARD FRONT  11" Base Frame 28 1/8" [71.4 cm] | STANDARD FRONT  5" Base Frame 22 5/16" [56.7 cm] | 6" PLEXIGLAS FRONT  11" Base Frame 32 7/16" [82.3 cm] | 6" PLEXIGLAS FRONT  5" Base Frame 26 5/16" [66.9 cm] | | |
| | 6" THERMOPANE FRONT  11" Base Frame 33 7/16" [84.9 cm] | 6" THERMOPANE FRONT  5" Base Frame 27 3/8" [69.5 cm] | EXTENDED STANDARD FRONT  11" Base Frame 33" [83.8 cm] | EXTENDED STANDARD FRONT  5" Base Frame 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.



COMPONENT

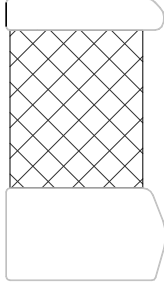
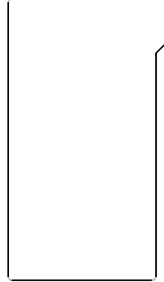
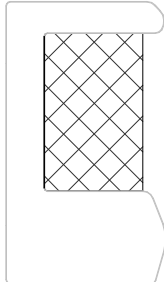
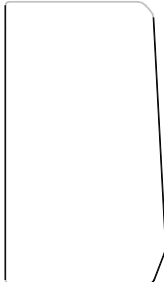
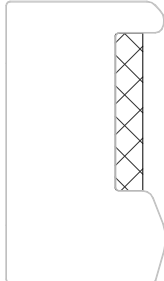

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| END STYLE OFFERINGS | |
|--|--|
| <p><u>SUPER VIEW</u></p>  | <p><u>SOLID (EXTENDED CANOPY)</u></p>  |
| <p><u>FULL VIEW</u></p>  | <p><u>SOLID (STANDARD CANOPY)</u></p>  |
| <p><u>REDUCED VIEW</u></p>  | <p><u>SQUARE</u></p>  |

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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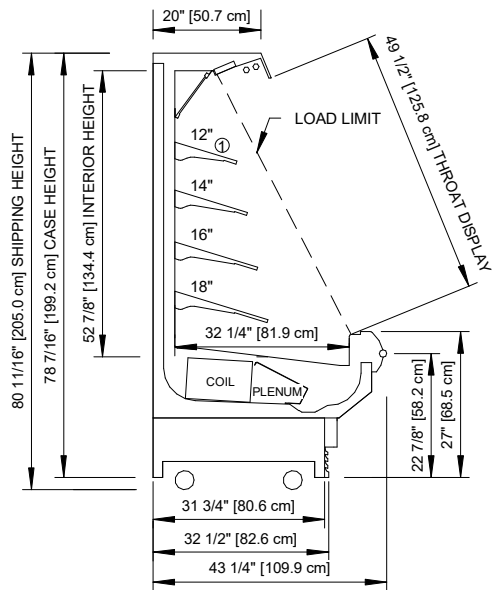
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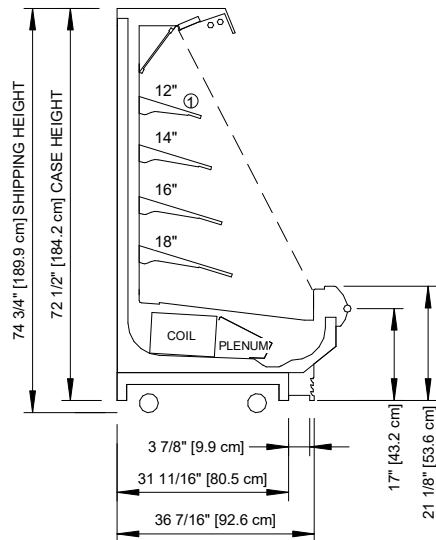
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4', 6', 8', & 12' Multi-Deck Merchandiser with Synerg-E™

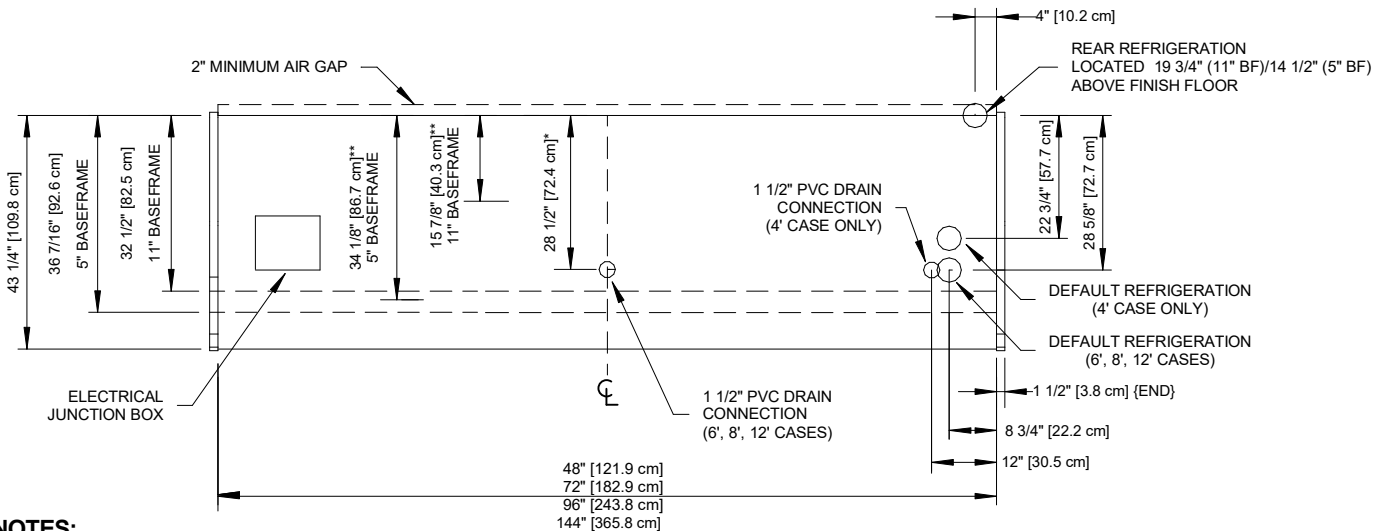
Dairy/Deli/Meat/Produce



11" BASEFRAME



5" BASEFRAME



NOTES:

- * :STUB-UP AREA
- ** :RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS AVAILABLE UPON REQUEST
- Ⓢ :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.



O6UM-NRG

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