GENERAL NOTES:
• "---" indicates that the feature is not an option for this case option and/or the data is not yet available.
• Rear-loading cases are designed for the rear door to open into an operating cooler.
• LED lights only.
• Maximum of 5 rows of standard output LED lighted shelves.

SHIPPING WEIGHT

<table>
<thead>
<tr>
<th>Case</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON5DRX-NRG</td>
<td>---</td>
</tr>
</tbody>
</table>

ON5DRX-NRG

8’ & 12’ Rear Load Multi-Deck Merchandiser with Synerg-E™
Beverage / Dairy / Bakery / Cut Produce

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.

Hillphoenix

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## ELECTRICAL DATA

<table>
<thead>
<tr>
<th>Case Length</th>
<th>Fans Per Case</th>
<th>High Efficiency Fans</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Amps</strong></td>
</tr>
<tr>
<td>8'</td>
<td>3</td>
<td>0.68</td>
</tr>
<tr>
<td>12'</td>
<td>6</td>
<td>1.35</td>
</tr>
</tbody>
</table>

## LIGHTING DATA

<table>
<thead>
<tr>
<th>Case Length</th>
<th>Lights per row</th>
<th>Clearvoyant v4 LED Lighting (Per Light Row)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Standard Power (Cornice or Shelf)</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>120 Volts</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Amps</strong></td>
</tr>
<tr>
<td>8'</td>
<td>2</td>
<td>0.10</td>
</tr>
<tr>
<td>12'</td>
<td>3</td>
<td>0.15</td>
</tr>
</tbody>
</table>

## GUIDELINES AND CONTROL SETTINGS

<table>
<thead>
<tr>
<th>Application</th>
<th>Front Sill height</th>
<th>BTUH/ft</th>
<th>Superheat Set Point @ Bulb (°F)</th>
<th>Evaporator (°F)</th>
<th>Discharge Air (°F)</th>
<th>Discharge Air Velocity (FPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beverage</td>
<td>2.5&quot; Extended</td>
<td>1101</td>
<td>1085</td>
<td>6 - 8</td>
<td>34</td>
<td>37</td>
</tr>
<tr>
<td>Beverage</td>
<td>5&quot; Extended</td>
<td>1068</td>
<td>1053</td>
<td>6 - 8</td>
<td>34</td>
<td>37</td>
</tr>
<tr>
<td>Beverage</td>
<td>Std. Dairy</td>
<td>1152</td>
<td>1120</td>
<td>6 - 8</td>
<td>34</td>
<td>37</td>
</tr>
<tr>
<td>Dairy</td>
<td>2.5&quot; Extended</td>
<td>1435</td>
<td>1256</td>
<td>6 - 8</td>
<td>28</td>
<td>32</td>
</tr>
<tr>
<td>Dairy</td>
<td>5&quot; Extended</td>
<td>1404</td>
<td>1229</td>
<td>6 - 8</td>
<td>28</td>
<td>32</td>
</tr>
<tr>
<td>Dairy</td>
<td>7.5&quot; Extended</td>
<td>1380</td>
<td>1208</td>
<td>6 - 8</td>
<td>28</td>
<td>32</td>
</tr>
<tr>
<td>Dairy</td>
<td>Std. Dairy</td>
<td>1478</td>
<td>1293</td>
<td>6 - 8</td>
<td>28</td>
<td>32</td>
</tr>
</tbody>
</table>

## DEFROST CONTROLS

<table>
<thead>
<tr>
<th>Application</th>
<th>Defrosts Per Day</th>
<th>Timed-Off Defrost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Fail-Safe (Min)</strong></td>
</tr>
<tr>
<td>Dairy</td>
<td>6</td>
<td>40</td>
</tr>
</tbody>
</table>

### NOTES:
- "---" indicates that the feature is not an option for this case option and/or the data is not yet available.
- Listed BTUH/ft data represent unlighted shelves. For LED lighting, add 9 BTUH/ft per row of lighted shelving.
- 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.
- Temperature and defrost settings listed below 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.
- The published evaporator temperature for zeotropic refrigerants represents the midpoint between dew and bubble points.
### CORNICE OPTIONS

<table>
<thead>
<tr>
<th>Component</th>
<th>Curved Cornice</th>
<th>Curved Cornice</th>
<th>Faceted Cornice</th>
<th>Faceted Cornice</th>
<th>Flat Cornice</th>
<th>Flat Cornice with Night Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>42 1/4&quot;</td>
<td>45 1/2&quot;</td>
<td>42 1/8&quot;</td>
<td>45 3/8&quot;</td>
<td>41 3/4&quot;</td>
<td>44&quot;</td>
</tr>
</tbody>
</table>

### FRONT OPTIONS

#### Flat Front 2

- **Standard Front**: 18 3/4" (47.5 cm)
- **2 1/2" Extended Front w/ & w/o Nose Light**: 23 3/4" (60.3 cm)
- **5" Extended Front w/ & w/o Nose Light**: 27 3/8" (70.1 cm)
- **7 1/2" Extended Front**: 29 3/8" (75.8 cm)

#### Flat Front

- **Standard Front**: 18 3/4" (47.5 cm)
- **2 1/2" Extended Front w/ & w/o Nose Light**: 23 3/4" (60.3 cm)
- **5" Extended Front w/ & w/o Nose Light**: 27 3/8" (70.1 cm)
- **7 1/2" Extended Front**: 29 3/8" (75.8 cm)

#### Classic 2 Metal

- **Standard Front**: 18 3/4" (47.5 cm)
- **2 1/2" Extended Front w/ & w/o Nose Light**: 23 3/4" (60.3 cm)
- **5" Extended Front w/ & w/o Nose Light**: 27 3/8" (70.1 cm)
- **7 1/2" Extended Front**: 29 3/8" (75.8 cm)

#### Classic 2 Polymer

- **Standard Front**: 18 3/4" (47.5 cm)
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- **5" Extended Front w/ & w/o Nose Light**: 27 3/8" (70.1 cm)
- **7 1/2" Extended Front**: 29 3/8" (75.8 cm)

#### Origin 2

- **Standard Front**: 18 3/4" (47.5 cm)
- **2 1/2" Extended Front w/ & w/o Nose Light**: 23 3/4" (60.3 cm)
- **5" Extended Front w/ & w/o Nose Light**: 27 3/8" (70.1 cm)
- **7 1/2" Extended Front**: 29 3/8" (75.8 cm)

#### Thermopane

- **6" Thermopane Front**: 20 1/4" (51.4 cm)
- **4" Thermopane Front w/ Nose Light**: 27 7/8" (71.1 cm)
- **4" Thermopane Front w/o Nose Light**: 29 7/8" (75.8 cm)
- **6" Thermopane Front**: 30 1/4" (77.4 cm)

### NOTES:

- Front sill height and overall case height vary with baseframe height.
- Tag molding materials are PVC, aluminum, or painted aluminum.
- See Ecoblade tech sheet for additional information.

---

**ON5DRX-NRG**

- **Rev. Date**: 07-15-21
- **Rev. #**: 8
- **Rev. Title**: ENDVIEW UPDATE

- **Rev. Date**: 05-19-21
- **Rev. #**: 7
- **Rev. Title**: NOTE UPDATE
### SHELF TAG MOLDING OPTIONS

- 1.25" STD
- SLOTTED
- ANGLED

### PRODUCT STOP OPTIONS

- 3" PLEXI PRODUCT TOPS (ONLY APPLICABLE ON SLOTTED TM)
- 5" PLEXI PRODUCT TOPS
- WIRE FENCE PRODUCT TOPS

### SHELF EDGE ENERGY SAVINGS

- ECO BLADE FLAT SHELF
- ECO BLADE ANGLED SHELF

### NOTES:

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**ON5DRX-NRG**

8' & 12' Rear Load Multi-Deck Merchandiser with Synerg-E™

Beverage / Dairy / Bakery / Cut Produce

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**Hillphoenix**
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.
• Front sill height and overall case height vary with baseframe height.
• Tag molding materials are PVC, aluminum, or painted aluminum.
• See Ecoblade tech sheet for additional information.

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**NOTES:**

* : STUB-UP AREA

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

\( \text{\(d\)} \) : AVAILABLE SHELF SIZES: 10", 12", 14", 16", 20", 22" & 24"

- Ends add approximately 1" to case height
- Cooler opening should be 82" x case length