## Refrigeration Data:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CASE LENGTH</th>
<th>CASE USAGE</th>
<th>DOOR TYPE</th>
<th>CAPACITY (BTUH / DR)*</th>
<th>EVAPORATOR (°F)**</th>
<th>UNIT SIZING (°F)</th>
<th>DISCHARGE AIR (°F)</th>
<th>AVG. REF. CHARGE (LBS/DR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P5FGN</td>
<td>ALL</td>
<td>FROZEN</td>
<td>ANTHONY 101</td>
<td>1,400</td>
<td>-8</td>
<td>-11</td>
<td>1***</td>
<td>0.92******</td>
</tr>
<tr>
<td>P5FGN</td>
<td>ALL</td>
<td>FROZEN</td>
<td>ANTHONY EL.</td>
<td>1,231</td>
<td>-7</td>
<td>-10</td>
<td>1***</td>
<td>0.92******</td>
</tr>
<tr>
<td>P5FGN</td>
<td>ALL</td>
<td>ICE CREAM</td>
<td>ANTHONY 101</td>
<td>1,510</td>
<td>-18</td>
<td>-21</td>
<td>3***</td>
<td>0.92******</td>
</tr>
<tr>
<td>P5FGN</td>
<td>ALL</td>
<td>ICE CREAM</td>
<td>ANTHONY EL.</td>
<td>1,338</td>
<td>-17</td>
<td>-20</td>
<td>3***</td>
<td>0.92******</td>
</tr>
</tbody>
</table>

**NOTES:** *Capacity data listed is for cases with ECM fan motors and T-8 electronic vertical lighting (Prism). Prism lights should remain on at all times (24 hours) for best operation.

See Capacity Adjustments below:

ADD 198 Btu/hDr for cases using standard fan motors.

For LED lighting that is ON 24 hours a day, DEDUCT 198 Btu/hDr for Anthony 101 doors or DEDUCT 123 Btu/hDr for Anthony Eliminator doors.

** Evaporator temperature is based on the saturated pressure leaving the case.

*** DEDUCT 4 °F for cases using LED lighting in frozen food applications or 3 °F for LED cases in ice cream applications.

**** This is an average refrigeration charge per door based on R22 and R404A refrigerant usage.

FOR SPECIFIC COMPRESSOR SIZING INFORMATION, REFER TO TYLER APPLICATIONS FOR RACK SYSTEM COMPRESSORS AND/OR THE COMPRESSOR MANUFACTURERS FOR SINGLE COMPRESSORS. FOR LINE SIZING INFORMATION, REFER TO THE MISCELLANEOUS SECTION "BUFF" IN THE TYLER SPECIFICATION GUIDE.

### Electrical Data:

#### Fans and T-8 Lighting with Electronic Ballasts or LED Lighting with Electronic Drivers (120 Volt) (ANTHONY)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NO. OF DOORS</th>
<th>FANS / CASE</th>
<th>TOTAL FOR STANDARD FANS*</th>
<th>TOTAL FOR ECM FANS*</th>
<th>VERTICAL-T-8 (59 WATT)</th>
<th>LED LIGHTING OPTIMAX</th>
<th>LED LIGHTING GELCORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>P5FGN</td>
<td>2</td>
<td>2</td>
<td>1.06 96.0</td>
<td>0.64 34.0</td>
<td>1.45 174.0</td>
<td>0.76 70.0</td>
<td>0.63 70.0</td>
</tr>
<tr>
<td>P5FGN</td>
<td>3</td>
<td>3</td>
<td>1.59 144.0</td>
<td>0.96 51.0</td>
<td>1.34 233.0</td>
<td>0.77 92.0</td>
<td>0.89 92.0</td>
</tr>
<tr>
<td>P5FGN</td>
<td>4</td>
<td>4</td>
<td>2.12 192.0</td>
<td>1.28 68.0</td>
<td>2.42 290.0</td>
<td>0.96 115.0</td>
<td>1.05 140.0</td>
</tr>
<tr>
<td>P5FGN</td>
<td>5</td>
<td>5</td>
<td>2.65 240.0</td>
<td>1.60 85.0</td>
<td>2.91 349.0</td>
<td>1.15 138.0</td>
<td>1.25 205.0</td>
</tr>
</tbody>
</table>

* The fan circuit for Electric and Gas Defrost includes the drain pan heater, which is only ON when the fans cycle OFF.

Fan circuit wire sizing should always be sized using the drain pan heater amps.

Heaters (120 and 208 Volt) (ANTHONY)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NO. OF DOORS</th>
<th>T-8 MAIN FRAME</th>
<th>LED MAIN FRAME</th>
<th>ANTHONY 101*</th>
<th>ANTHONY ELIMINATOR*</th>
<th>ANTHONY 2100 SERIES*</th>
<th>DEFROST HEATER (208 V)**</th>
<th>DRAIN PAN HEATER (120 V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P5FGN</td>
<td>2</td>
<td>1.31 157</td>
<td>1.14 138</td>
<td>1.45 174</td>
<td>0.51 62</td>
<td>1.80 216</td>
<td>5.77 1,200</td>
<td>1.14 137</td>
</tr>
<tr>
<td>P5FGN</td>
<td>3</td>
<td>2.02 242</td>
<td>1.79 216</td>
<td>2.18 262</td>
<td>0.77 92</td>
<td>2.70 324</td>
<td>9.50 1,975</td>
<td>1.88 226</td>
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<tr>
<td>P5FGN</td>
<td>4</td>
<td>2.76 331</td>
<td>2.29 275</td>
<td>2.91 349</td>
<td>1.03 123</td>
<td>3.60 432</td>
<td>13.10 2,725</td>
<td>2.60 311</td>
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<tr>
<td>P5FGN</td>
<td>5</td>
<td>3.47 416</td>
<td>2.87 345</td>
<td>3.64 437</td>
<td>1.28 154</td>
<td>4.50 540</td>
<td>16.83 3,500</td>
<td>3.33 400</td>
</tr>
</tbody>
</table>

* Only door anti-sweat heaters are cyclable. ** The drain pan heater cycles OFF when the fans cycle ON.

*** If fans and main frame anti-sweat share the same power supply, make sure to add the electrical usages when sizing the electrical circuits.

Please note this is not a recommended practice.
Defrost Data:

<table>
<thead>
<tr>
<th>DEFROST TYPE</th>
<th>DEFROSTS PER DAY</th>
<th>DURATION TIME (MIN)</th>
<th>TERMINATION TEMP. (°F)</th>
<th>EPR SETTINGS **</th>
<th>DEFROST WATER (LB / DR / DAY)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R22 (PSIG)</td>
<td>R404A (PSIG)</td>
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<tr>
<td>ELECTRIC / FF (101)</td>
<td>1</td>
<td>46</td>
<td>60</td>
<td>17.9</td>
<td>26.3</td>
</tr>
<tr>
<td>ELECTRIC / IC (101)</td>
<td>1</td>
<td>46</td>
<td>60</td>
<td>18.6</td>
<td>27.2</td>
</tr>
<tr>
<td>ELECTRIC / FF (ELMINAATOR)</td>
<td>1</td>
<td>46</td>
<td>60</td>
<td>17.2</td>
<td>25.5</td>
</tr>
<tr>
<td>ELECTRIC / IC (ELMINAATOR)</td>
<td>1</td>
<td>46</td>
<td>60</td>
<td>11.9</td>
<td>19.3</td>
</tr>
<tr>
<td>HOT GAS / FF (101)</td>
<td>1</td>
<td>18-20</td>
<td>55*</td>
<td>17.9</td>
<td>26.3</td>
</tr>
<tr>
<td>HOT GAS / IC (101)</td>
<td>1</td>
<td>20-25</td>
<td>55*</td>
<td>18.6</td>
<td>27.2</td>
</tr>
<tr>
<td>HOT GAS / FF (ELMINAATOR)</td>
<td>1</td>
<td>18-20</td>
<td>55*</td>
<td>17.2</td>
<td>25.5</td>
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<tr>
<td>HOT GAS / IC (ELMINAATOR)</td>
<td>1</td>
<td>20-25</td>
<td>55*</td>
<td>11.9</td>
<td>19.3</td>
</tr>
</tbody>
</table>

* If an Electronic Sensor is used for termination, it should be set at 70°F termination temperature.
** Set EPR to give this pressure at the case.

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**P5FGN CROSS SECTION**

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**FLOOR PLAN**

A 3" SPACE between the back of this case and the store wall, is provided, with the case structure to minimize possible condensation problems. FORCED VENTILATION may be necessary in some situations.

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TYLER SPEC SHEET

03-Jan-08

P5FGN