### 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 TEMPERATURE (°F)</th>
<th>VELOCITY (FPM)</th>
<th>AVG. REF. CHARGE (LBS/DR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N5NGA</td>
<td>ALL</td>
<td>MED TEMP</td>
<td>ARDCO SWING.</td>
<td>940*</td>
<td>-20**</td>
<td>+18</td>
<td>+30</td>
<td>576</td>
<td>0.91***</td>
</tr>
<tr>
<td>N5NGA</td>
<td>ALL</td>
<td>MED TEMP</td>
<td>ANTHONY 101</td>
<td>940*</td>
<td>-20**</td>
<td>+18</td>
<td>+30</td>
<td>576</td>
<td>0.91***</td>
</tr>
</tbody>
</table>

**NOTES:**

- Capacity data listed is for cases with ECM fan motors and T-8 electronic vertical lighting (Prism). Lights remain on during defrost.
- See Capacity Adjustments below:
  - ADD 101 Btuh/Dr for cases using standard fan motors.
  - ADD 520 Btuh per glass end for medium temperature cases.
- Evaporator temperature is based on the saturated pressure leaving the case.
- This is an average refrigeration charge per door based on R22 and R404A refrigerant usage.

For specific compressor sizing and/or line sizing information, refer to the “GOLD” and/or “BUFF” sections in the Tyler Specification Guide.

### Electrical Data:

#### Fans (120 Volt) (ARDCO or 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>
</tr>
</thead>
<tbody>
<tr>
<td>N5NGA</td>
<td>2</td>
<td>2</td>
<td>1.06 96.0</td>
<td>0.64 34.0</td>
</tr>
<tr>
<td>N5NGA</td>
<td>3</td>
<td>3</td>
<td>1.59 144.0</td>
<td>0.96 51.0</td>
</tr>
<tr>
<td>N5NGA</td>
<td>4</td>
<td>4</td>
<td>2.12 192.0</td>
<td>1.28 68.0</td>
</tr>
<tr>
<td>N5NGA</td>
<td>5</td>
<td>5</td>
<td>2.65 240.0</td>
<td>1.60 85.0</td>
</tr>
</tbody>
</table>

#### Heaters (120 Volt) and T-8 Lighting with Electronic Ballasts (120 Volt) (ARDCO or ANTHONY)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NO. OF DOORS</th>
<th>ANTI-SWEAT HEATERS (120 V)</th>
<th>VERTICAL T-8 (58-WATT)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>ARDCO MAIN FRAME</td>
<td>ANTHONY MAIN FRAME</td>
</tr>
<tr>
<td>N5NGA</td>
<td>2</td>
<td>0.50 60.0</td>
<td>1.30 156.0</td>
</tr>
<tr>
<td>N5NGA</td>
<td>3</td>
<td>0.70 84.0</td>
<td>1.80 216.0</td>
</tr>
<tr>
<td>N5NGA</td>
<td>4</td>
<td>0.90 108.0</td>
<td>2.40 288.0</td>
</tr>
<tr>
<td>N5NGA</td>
<td>5</td>
<td>1.10 132.0</td>
<td>2.80 336.0</td>
</tr>
</tbody>
</table>

* Only door anti-sweat heaters are cyclable.

### 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>TIME OFF</td>
<td></td>
<td></td>
<td>R22 (PSIG)</td>
<td>R404A (PSIG)</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>60</td>
<td>-----</td>
<td>43</td>
<td>55.6</td>
</tr>
</tbody>
</table>

* Set EPR to give this pressure at the case.

**CASE CIRCUITS:** This case requires a separate 120V circuit for the fans, lights and anti-sweats. The light circuit requires a switch in the back room for convenience in controlling the lights. The anti-sweat circuit feeds power to both the cyclable and non-cyclable heaters. When an Energy Saving Anti-Sweat Controller is used, a relay and a jumper are removed to control the cyclable heaters.

**UL SANITATION** approved in accordance with ANSI/NSF - 7.

**CASE BTUH REQUIREMENTS** are calculated to produce approximately the indicated entering-air temperature with absolute maximum operating ambient limits of 75°F & 55RH

The information contained herein is based on technical data and tests that we believe are reliable, and is intended for use by persons having technical skill at their own discretion and risk. Since conditions of use are outside of Tyler's control, we cannot assume any liability for results obtained or damages incurred through the applications of the data presented. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
N5NGA CROSS SECTION

Top Shelf Slot
1 7/8".

81 5/8"

61 7/8"

10" To Glass

63" Frame Opening

9/16"

3 1/2"

3 1/2"

3/4"

3/4"

5"

3/4"

6 1/2"

33"

42 1/2"

FLOOR PLAN

ALLOW 3' SPACE between the back of this case and the store wall. other cases or coolers to minimize possible condensation problems. FORCED VENTILATION may be necessary in some situations.

2 DR = 62"
3 DR = 92 7/16"
4 DR = 122 7/8"
5 DR = 153 5/16"

Rear of Case
3" x 5" Rear Piping Access Area

36 1/2" O.A.

42 1/2"

35 1/2"

3"

Base

Refrigeration
7/8" Suction
3/8" Liquid

1/4" Clearance
Between Bottom of Drain Pipe and Floor

1" Galvanized pipe Waste Outlet

Front of Case
22" R or L

2"

Base

Add 1" for Insulated Partition

Add 1 1/2" for Standard Patch End

TYLER SPEC SHEET

DD – 2

N5NGA

14-Jan-05