LIFT FRONT CURVED GLASS GRAVITY SERVICE CASE

Tyler Refrigeration Corporation

Single Unit Rating is 350 Btu/h/ft. @ 20°F Suction Temp.
Parallel System Rating is 230 Btu/h/ft. @ 15°F Suction Temp.

**CASE MODELS**

- **CASE CIRCUITS**: (120-1-60) - (B) includes Anti-sweat heater only - (C) includes 1 row of 430MA SP35 lights in the interior + 1 row of shelves (see shelving note below) - (D) includes Optional 430MA Floor Light - NOTE: 800MA lights are not recommended for these cases since they promote drying and reduce product life.

- **CONVENIENCE OUTLET CIRCUIT**: One single convenience outlet is on the back of the 6' case, and two single convenience outlets are on the back of the 8' & 12' cases. Plan suitable 15A circuits for these 120 volt outlets.

- An Evaporator Pressure Regulator should be installed on each system to aid in temperature control. Set the EPR for 34 P/SIG (R-22).

- Shelves in Gravity Coil cases disrupt airflow and can compromise performance. Shelves work better in Blower style cases.

- Pressure Control Settings shown in table below are for back up purposes only. The actual temperature control should be set by the thermostat. LCM setting for this case = CUT IN @ 29°F and CUT OUT @ 19°F. LCM setting for this case = CUT IN @ 34°F and CUT OUT @ 33°F.

- NOTE: The Fish version (LCF) has a Top Coil only. If used as an Ice Retarder only, the rating is 150 Btu/h/ft. @ 20 Suction Temp. If not used with ice display use the ratings shown above.

**ANNUAL COMPARATIVE OPERATING COST PER FOOT OF CASE (C.O.C.)**

<table>
<thead>
<tr>
<th>CASE</th>
<th>Fans/HFEF</th>
<th>A/ft</th>
<th>Heat</th>
<th>Lights</th>
<th>208V Defrost Condensing</th>
<th>TOTALS11</th>
<th>DEFROST CONTROL</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>$1.10</td>
<td>$55</td>
<td>115w</td>
<td>108w</td>
<td>w/OplHFEF Motors</td>
<td>$4.25</td>
<td>Per Day Mode Fall-Safe</td>
</tr>
<tr>
<td>12'</td>
<td>$1.52</td>
<td>$52</td>
<td>152w</td>
<td>152w</td>
<td>NET SAVINGS</td>
<td>$4.10</td>
<td>1 Timed Off 80 Min.</td>
</tr>
</tbody>
</table>

Case Ft. x C.O.C. = "Cost per Year" @ 1kW/HR. USE TOTALS TO COMPARE CASES & OPTIONS! *HFE = Hi-Efficiency Fans. 11@ 1kW/H.

**CASE BTU REQUIREMENTS** are calculated to produce approximately the indicated entering case air temp with absolute maximum operating ambient limits of 75°F & 55% RH. SUCTION LINE SIZING: Select the point of intersection of the case line-up and the equivalent footage. Allow for all fittings in addition to the actual line length. STEP SIZING is suggested for selections falling in the first half of a size range. Pipe one size smaller can be used on the 50% of the run closest to the cases when the entire run is 100 equivalent feet or more. LIQUID LINE SIZING is based on 5 lb. pressure drop in 150°F of line. See complete line size charts in front of the TYLER SPEC GUIDE BOOK.

The information contained herein is based on technical data and tests which we believe to be reliable and is intended for use by persons having technical skill, at their own discretion and risk. Since conditions of use are outside Tyler's control, we can assume no liability for results obtained or damages incurred through the applications of the data presented.

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**TYLER SPEC SHEET**

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LCM LCF

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