MULTISHELF DAIRY/DELI CASE - DAIRY USAGE

<table>
<thead>
<tr>
<th>CASE MODELS</th>
<th>LINEAL FEET</th>
<th>CONDENSING UNIT SELECTION CHART</th>
<th>R-22</th>
<th>SUCTION SIZING</th>
<th>ELECTRICAL DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>75°F (24°C)</td>
<td>AIR ENTERING THIS CONDENSING UNIT THHN (Remote) Units can be</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Selected provided Cond. is sized</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>for 10-15°F TD or less</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8' 12'</td>
<td>1000 Blt/Hr</td>
<td>50 100 150 200 250</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>6</td>
<td>9.6 150-22S 200-22S</td>
<td>1</td>
<td>1.2 1.3 2.1 2.4</td>
<td>.8 7.4</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>11.6 190-22S 240-22S</td>
<td>1/2</td>
<td>1.2 1.3 2.1 3.4</td>
<td>.8 7.4</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>17.4 200-22S 230-22H</td>
<td>1/2</td>
<td>1.8 1.1 2.1 4.2</td>
<td>6.3 1.2 12.3</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>23.2 300-22H 330-22H</td>
<td>5/8</td>
<td>2.4 1.5 2.6 4.2</td>
<td>6.8 1.6 14.8</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>29.0 360-22H 390-22S</td>
<td>5/8</td>
<td>3.0 1.8 3.4 6.3</td>
<td>7.7 2.0 19.7</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>34.8 400-22S 460-22S</td>
<td>7/8</td>
<td>3.6 2.2 4.2 8.6</td>
<td>12.6 2.4 24.6</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>40.6 460-22S 500-22S</td>
<td>7/8</td>
<td>4.2 2.7 4.7 8.4</td>
<td>13.1 2.8 27.1</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>46.4 500-22S 560-22S</td>
<td>7/8</td>
<td>4.8 3.0 5.5 10.7</td>
<td>16.0 3.2 32.0</td>
</tr>
<tr>
<td></td>
<td>36</td>
<td>52.2 D761-22S D1001-22S</td>
<td>7/8</td>
<td>5.4 3.3 6.3 12.6</td>
<td>18.9 3.6 36.9</td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>58.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>44</td>
<td>63.8</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>48</td>
<td>69.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>52</td>
<td>75.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>56</td>
<td>81.2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>87.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BTUH data shown is for cases with: 1 Row 800mA Canopy Lights, 5 Rows 430mA Lighted Shelves & 21" high front.

Additions or Reductions to BTUH includes: Add 50 Blt/Hr. for Low Front option or Deduct 50 Blt/Hr. for High Front option
Add 40 Blt/Hr. for optional 800mA Nose Lights. Add 20 Blt/Hr. for optional 2 Row 800mA Canopy Lights
Deduct 135 Blt/Hr. when NOT using Lighted Shelves. **Note: No deduction in Blt's is allowed when using unlighted 15" shelves (max. 2 rows in upper position).** MAX. LIGHT AMPS includes: 2 Rows 800mA Canopy Lights + 5 Rows 430mA Shelf Lights + 1 Row 800mA Nose Lights.

**OPTIONAL ELECTRIC DEFROST 208V-1-60 - 6'-6.5 AMPS - 8'-6.9 AMPS - 12'-10.3 AMPS**

Contact application engineering for assistance in selecting the proper "TG" defrost module.

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

<table>
<thead>
<tr>
<th>CASE</th>
<th>Fans/Hr*</th>
<th>AS Heating</th>
<th>208V Defrost</th>
<th>Condensing Unit</th>
<th>TOTALS**</th>
<th>DEFROST CONTROL</th>
<th>CONTROL SETTINGS (R-22)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>100W/54w</td>
<td>$1.10/.59</td>
<td>$13.57</td>
<td>w/Opt. HEF Motor</td>
<td>$14.83</td>
<td>Per Day:</td>
<td>Pressure: 51#</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Mode: Electric</td>
<td>Hot Gas: 25 Min.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>36 Min.</td>
<td>12-15 Min.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60 Min.</td>
<td>33-42#</td>
</tr>
</tbody>
</table>

Note for use: 10,920 BTUH/240V USE TOTALS TO COMPARE CASES & OPTIONS Watts at 120V* (C.O.C. = Hi-Efficiency Fans). *Total kWh use: 10.920

**CASE BTUH 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 10 of the run closest to the cases when the entire run is 100 equivalent feet or more. LIQUID LINE SIZING is based on 5 ft. pressure drop in 100 of line. See complete line size charts in front of the TYLER SPEC GUIDE BOOK.

**SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.** Printed in the U.S.A.

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**Tyler Spec Sheet**

**D-1**

**MULTI-SHELF DAIRY CASE**

**DDC(RL)**

**Dairy**

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**Revision Notes:**
- Repl. 1/92
- Rev. 9/93
MULTISHELF DAIRY/DELI CASE - DAIRY USAGE

CROSS SECTION

SHELVING NOTES:
Shelving widths available for these cases are 15", 18" and 22". When two sizes are used, the smaller must be used on top. 15" shelves without lights do not qualify for a case BTUH deduction. See Spec Sheet for other particulars.

NOTE: 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.

REFRIGERATION
7/8 Suction
3/8 Liquid
1" Water Seal
Continuous Electrical Raceway

Continuous Electrical Raceway

FEET PLAN

ADD 2 1/4" FOR EACH PATCH END

Tyler Refrigeration Corp. D-2 FRONT LOAD MULTI-SHELF DAIRY SG0630 DDC
(Dairy/Deli)
### Tyler Refrigeration Corp.

**Chart #2**

**MULTISHELF DAIRY/DELI CASE - DELI USAGE**

6' Case = 1851 Btu/ft. @ +15°F Suction & +32°F Entering Air Temp.
8' & 12' Cases = 1650 Btu/ft. @ +15°F Suction & +32°F Entering Air Temp.

<table>
<thead>
<tr>
<th>CASE MODELS</th>
<th>LINEAL FEET</th>
<th>CONDENSING UNIT SELECTION CHART</th>
<th>R-22</th>
<th>LINE SIZING</th>
<th>ELECTRICAL DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 Btu/h Req'd</td>
<td>6' 12&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>13.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>26.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>39.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>52.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>66.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>80.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**BTUH Data Shown is for cases with:**
- 1 Row 800ma Canopy Lights
- 5 Rows 430ma Lighted Shelves & 21" high front.

**Additions or Reductions to BTUH includes:**
- Add 50 Btu/ft. for Low Front option or Deduct 50 Btu/ft. for High Front option
- Add 20 Btu/ft. for optional 2 Row 800ma Canopy Lights

Optional Electric Defrost 208V-1-60 - 6" - 8.5 AMPS - 8" - 6.9 AMPS - 12" - 10.3 AMPS

Contact application engineer for assistance in selecting the proper "T3" defrost module.

### Chart #3

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

| CASE | Fans/HEF* | A/S Heat | 208V Defrost | Condensing Unit | TOTALS** | DEFROST CONTROL | CONTROL SETTINGS (R-22)
|------|-----------|----------|---------------|-----------------|----------|-----------------|-------------------|
| 8'   | $1.10/59  | $0.67    | $15.50        | $18.27          | Per Day  | 4 Hot Gas 12-15 Min. | Cut In: 51# Cut Out: 31-35#
| 150W | 100W/54w  | 140w     | 4             | $17.76          | Electric | 36 Min. |
| 185W | 150w/81w  | 185w     | 4             | $17.76          | Electric | 36 Min. |

**Case FL x C.O.C. = Cost per Year** @ 12kW. USE TOTALS TO COMPARE CASES & OPTIONS! Watts @ 115V: 1HEF = 1/0 Efficiency Fans. 115V is 1kW.

**CASE BTUH 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 footnote. 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 50# pressure drop in 150' of line. See complete line size charts in front of the TYLER SPEC GUIDE BOOK.

### Tyler Spec Sheet

**D-3**

**MULTI-SHELF DELI CASE**

**SG 00632**

**Repl. 1/92**

**Rev. 9/93**

**(Dell)**
REAR LOAD DAIRY-DELI CASE CROSS SECTION
(See Page D-2 for Front Load)

1. COOLER OPENING
2. Upper Cooler Section
3. 77'' x Length of Cases (Less Patch Ends)

DOOR BACK MODELS
a. "17" Front - DDCRL
b. "21" Front - DDCMRL
c. "26" Front - DDCRHL

4. DOOR BACK MODELS
5. REAR LOAD Sliding Doors
7. 4'' Toe Space

8. 8'' CASE
9. 12'' CASE

10. 2'' FOR PATCH END
11. 42'' Canopy, 43¾'' Patch End
12. 1 Row 800ma
    Standard 2 Row Optional
13. SEE PAGE D-2 FOR CANOPY AND NOSE LIGHT DETAILS AND SHELVING NOTES.
14. 59¾''.
15. Third opening in center of 12", 68½'' x 38''
16. 31½''
18. 17¾''
19. 25½''
20. 21¾''
21. 32 15/16''
22. 43¾''
23. 11 5/16''
24. 2 1/2''
25. 8''

PLAN VIEWS
DOOR BACK MODELS MUST BE BACKED BY A REFRIGERATED SPACE

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

TYLER Refrigeration Corporation
Niles, Michigan 49120

REAR LOAD DAIRY-DELI
DDCRL

D - 4
SG 0633
Repl. 2/82 Rev. 12/88

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