Refrigeration Data:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CASE LENGTH</th>
<th>CASE USAGE</th>
<th>CAPACITY (BTUH / FT)</th>
<th>EVAPORATOR (°F)</th>
<th>UNIT SIZING (°F)</th>
<th>TEMPERATURE (°F)</th>
<th>VELOCITY (FPM)</th>
<th>AVG. REF. CHARGE (LBS/FT)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>PARALLEL</td>
<td>CONVENTIONAL</td>
<td>DISCHARGE AIR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LDFL</td>
<td>8'/12'</td>
<td>DAIRY</td>
<td>1,824*</td>
<td>2,084*</td>
<td>+10**</td>
<td>+8</td>
<td>32</td>
<td>500*** 1.43****</td>
</tr>
<tr>
<td>LDRL</td>
<td>8'/12'</td>
<td>DAIRY</td>
<td>781**</td>
<td>892**</td>
<td>+15**</td>
<td>+13</td>
<td>28</td>
<td>520*** 1.43****</td>
</tr>
</tbody>
</table>

* Capacity data listed for cases with 2 rows of T-8 canopy lights and 1 row of T-8 top lights. Adjustments must be made to this base rating for each option installed on this case. ADD 20 BTUH/FT for each row of optional lighted shelves. For sizing all refrigeration equipment other than TYLER, use conventional BTUH values.

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

*** Air velocity measured 1 hour after defrost at the top discharge air duct using an ALNOR JR. velometer with a scoop.

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

† NOTE: ADD 800 BTUH/FT OF CASE OPENING TO THE NORMAL WALK-IN COOLER LOAD. USE LOW VELOCITY COILS TO BACK UP THE REAR LOAD ROLL-IN CASE FOR CEILING HEIGHTS UNDER 9'. FOR CEILINGS HEIGHTS OVER 9', USE HIGH VELOCITY FORCED AIR STYLE COILS.

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 Heaters (120 Volt)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CASE LENGTH</th>
<th>FANS / CASE</th>
<th>TOTAL STANDARD FANS</th>
<th>TOTAL ECM FANS</th>
<th>TOTAL ANTI-SWEATS</th>
<th>DISCHARGE AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>AMPS</td>
<td>WATTS</td>
<td>AMPS</td>
<td>WATTS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UPPER</td>
<td>LOWER</td>
<td>UPPER</td>
<td>LOWER</td>
</tr>
<tr>
<td>LDFL</td>
<td>8'</td>
<td>3</td>
<td>1.59</td>
<td>N/A</td>
<td>144.0</td>
<td>N/A</td>
</tr>
<tr>
<td>LDFL</td>
<td>12'</td>
<td>4</td>
<td>2.12</td>
<td>N/A</td>
<td>192.0</td>
<td>N/A</td>
</tr>
<tr>
<td>LDRL</td>
<td>8'</td>
<td>7</td>
<td>1.59</td>
<td>1.36</td>
<td>144.0</td>
<td>120.8</td>
</tr>
<tr>
<td>LDRL</td>
<td>12'</td>
<td>10</td>
<td>2.12</td>
<td>2.04</td>
<td>192.0</td>
<td>181.2</td>
</tr>
</tbody>
</table>

* ECM fans are not available in the front lower fan panels. These panels will always have standard fans in them.

T-8 Lighting with Electronic Ballasts (120 Volt)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CASE LENGTH</th>
<th>CANOPY LIGHTS (2 ROWS)</th>
<th>TOP LIGHTS (1 ROWS)</th>
<th>SHELF LIGHTS – PER ROW</th>
<th>MAX. LIGHTING (7 ROWS)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>AMPs</td>
<td>WATTS</td>
<td>AMPs</td>
<td>WATTS</td>
</tr>
<tr>
<td>LD(F/R)L</td>
<td>8'</td>
<td>0.95</td>
<td>114.0</td>
<td>0.50</td>
<td>60.0</td>
</tr>
<tr>
<td>LD(F/R)L</td>
<td>12'</td>
<td>1.40</td>
<td>168.0</td>
<td>0.70</td>
<td>84.0</td>
</tr>
</tbody>
</table>

* Standard lighting for this case is 2 rows of T-8 canopy lights and 1 row of T-8 top lights.

Defrost Data:

<table>
<thead>
<tr>
<th>DEFROST TYPE</th>
<th>DEFROSTS PER DAY</th>
<th>DURATION TIME (MIN)</th>
<th>TERMINATION (°F)</th>
<th>EPR SETTINGS **</th>
<th>DEFROST WATER (LB / FT / DAY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDFL -- TIME OFF</td>
<td>4</td>
<td>45</td>
<td>- - -</td>
<td>- - -</td>
<td>43</td>
</tr>
<tr>
<td>LDRL -- TIME OFF</td>
<td>4</td>
<td>45</td>
<td>- - -</td>
<td>- - -</td>
<td>37</td>
</tr>
</tbody>
</table>

* If an Electronic Sensor is used for termination, it should be set at 70°F termination temperature. The sensor must be located in the same location as the defrost termination klixon for that defrost type.

** Set EPR to give this pressure at the case.

CASE CIRCUITS: LDFL case requires three separate 120V circuits: 1) a Fan Circuit, 2) an Anti-Sweat Heater Circuit, and 3) a Shelf & Canopy Light Circuit. LDRL case requires four separate 120V circuits: 1) an Upper Case Fan Circuit, 2) a Lower Case Fan Circuit, 3) an Anti-Sweat Heater Circuit, and 4) a Shelf & Canopy Light Circuit.

The minimum size coils required behind the Roll-In cases are; 8’ case use a Model EFA – 130M and for a 12’ case use a Model EFA – 190M. Upsize the coils as necessary based on the revised total load and size at a 9°F temperature differential. The case coils and the cooler units coils can be run on separate refrigeration circuits, but both must be defrosted at the same time.

NOTE: The cooler and case should be controlled by a Thermostat & Solenoid or EPR. Defrost needs to be at the same time.

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.
**LDFL CROSS SECTION**

- 57-3/4"
- 46-1/4"
- 42"
- 19-1/4"
- 4"
- 3/8" threaded support rods 1-1/2" in from each side.

**LDFL FLOOR PLAN**

- 90-1/2"
- 71-1/2" CLEARANCE FOR CARTS
- 84-1/4" STANDARD
- 82-1/2" SHORT

**Note:** Add 1 3/8" for each Partition. Add 1-1/2" for each Patch End.

- 74-1/2" - 12' Case
- 51" - 8' Case

- Waste Outlet

- Continuous Electrical Raceway - 12" off floor

- Case to Case Refrigeration 7/8" Suction 3/8" Liquid

**CANOPY ADDED AT INSTALLATION**

**TYLER SPEC SHEET**

**LDFL/LDRL**
LDRL CROSS SECTION

COOLER WALL

57-3/4"

46-1/4"

42"

38" threaded support rods

19-1/4"

4"

7/8" PLASTIC DRIP OUTLET

30" TO CURTAIN FALL LINE

89-1/2" COOLER OPENING

90-1/2" CASE HEIGHT

70-1/2" BETWEEN FLOOR & BOTTOM OF CURTAIN TRACK

84-1/4" STANDARD

82-1/2" SHORT

Note: A separate 120v lower fan circuit is required to power the fans.

LDRL FLOOR PLAN

Unit Coil

Unit Coil

8' 12'

Case Line Up

COOLER COIL MOUNTING LOCATIONS

Low Velocity Coils
3' Min. - 4' Max

Alternate Support Bolts

Air Flow

Recommended For Cooler Heights 9' or Less

High Velocity Coils
5' Min. - 10' Max

Alternate Support Bolts

Recommended For Cooler Heights Over 9'