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>DISCHARGE AIR TEMPERATURE (°F)</th>
<th>VELOCITY (FPM)</th>
<th>AVG. REF. CHARGE (LBS/FT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHDHP</td>
<td>6'8'/12'</td>
<td>MED TEMP</td>
<td>1.327*</td>
<td>1,474*</td>
<td>28*</td>
<td>26†</td>
<td>31</td>
<td>268**</td>
</tr>
<tr>
<td>NHDPM</td>
<td>6'8'/12'</td>
<td>MED TEMP</td>
<td>1.261*</td>
<td>1,423*</td>
<td>28*</td>
<td>26†</td>
<td>31</td>
<td>268**</td>
</tr>
</tbody>
</table>

* Capacity data listed for cases with 2 rows of T-8 canopy lights and 4 rows of unlighted shelves. Adjustments must be made to this base rating for each option installed on this case. ADD 23 BTUH/FT for each row of lighted shelves. For cases using peg bars, ADD 274 BTUH/FT to parallel load or 304 BTUH/FT to conventional load. NOTE: Baffles are required above each peg bar row to provide proper air flow around the food products. 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. DEDUCT 20 FPM for case using peg bars.

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

† ADD 2°F for case using produce insert.

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 and 208 Volt)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CASE LENGTH</th>
<th>FANS / CASE</th>
<th>AMPS</th>
<th>WATTS</th>
<th>AMPS</th>
<th>WATTS</th>
<th>AMPS</th>
<th>WATTS</th>
<th>TOTAL AMPS</th>
<th>TOTAL WATTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHDHP(L/M)</td>
<td>6'</td>
<td>2</td>
<td>0.72</td>
<td>84.0</td>
<td>0.70</td>
<td>52.0</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NHDHP(L/M)</td>
<td>8'</td>
<td>2</td>
<td>0.72</td>
<td>84.0</td>
<td>0.70</td>
<td>52.0</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NHDHP(L/M)</td>
<td>12'</td>
<td>3</td>
<td>1.08</td>
<td>126.0</td>
<td>1.05</td>
<td>78.0</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

T-8 Lighting with Electronic Ballasts (120 Volt)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CASE LENGTH</th>
<th>AMPS</th>
<th>WATTS</th>
<th>AMPS</th>
<th>WATTS</th>
<th>AMPS</th>
<th>WATTS</th>
<th>TOTAL AMPS</th>
<th>TOTAL WATTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHDHP</td>
<td>6'</td>
<td>0.40</td>
<td>0.75</td>
<td>48</td>
<td>90</td>
<td>0.60</td>
<td>1.20</td>
<td>1.90</td>
<td>72</td>
</tr>
<tr>
<td>NHDHP</td>
<td>8'</td>
<td>0.50</td>
<td>0.95</td>
<td>60</td>
<td>114</td>
<td>0.90</td>
<td>1.90</td>
<td>2.40</td>
<td>108</td>
</tr>
<tr>
<td>NHDHP</td>
<td>12'</td>
<td>0.70</td>
<td>1.40</td>
<td>84</td>
<td>168</td>
<td>1.35</td>
<td>2.80</td>
<td>3.55</td>
<td>162</td>
</tr>
</tbody>
</table>

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

Defrost Data:

<table>
<thead>
<tr>
<th>DEFROST TYPE*</th>
<th>DEFROSTS PER DAY</th>
<th>DURATION TIME (MIN)**</th>
<th>CUT-IN</th>
<th>CUT-OUT</th>
<th>ELEK. THERMOSTAT / AIR SENSOR SETTINGS</th>
<th>EPR SETTINGS ***</th>
<th>CONVENTIONAL COMPRESSOR SETTINGS****</th>
<th>DEFROST WATER (LB / FT / DAY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIME OFF</td>
<td>6 24</td>
<td>32°F 30°F</td>
<td>52</td>
<td>50</td>
<td>R22 (PSIG)</td>
<td>R404A (PSIG)</td>
<td>R404A (PSIG) CUT-IN CUT-OUT</td>
<td>5.5</td>
</tr>
<tr>
<td>TIME OFF</td>
<td>6 26</td>
<td>32°F 28°F</td>
<td>50</td>
<td>48</td>
<td>R22 (PSIG)</td>
<td>R404A (PSIG)</td>
<td>R404A (PSIG) CUT-IN CUT-OUT</td>
<td>8.7</td>
</tr>
<tr>
<td>TIME OFF</td>
<td>6 24</td>
<td>34°F 32°F</td>
<td>55</td>
<td>53</td>
<td>PRODUCE INSERT</td>
<td></td>
<td></td>
<td>2.0</td>
</tr>
</tbody>
</table>

* All high performance cases use OFF CYCLE defrost
** NOTE: 24 or 26 minutes is for EPR with suction stop for defrost isolation. Defrost times increases by four minutes when defrost isolation is by pump down.
*** If EPR is utilized, use the settings shown in the chart. NOTE: ADD 0.5°F to EPR setting for each 1000 foot rise in elevation.
**** Required setup for a conventional unit uses an electronic thermostat to assure accurate temperature control.

CASE TO CASE SUCTION LINE SUB-FEED BRANCH LINE SIZING

<table>
<thead>
<tr>
<th>MODEL</th>
<th>6' 8' 10' 12' 16' 20' 24' 28' 32' 36' 40' 44' 48' 52'</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASE</td>
<td>10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8</td>
</tr>
</tbody>
</table>

CASE CIRCUITS: This case requires a 120V circuit for fans, lights and anti-sweat heaters.

SHELVING NOTES: Shelving widths available for these cases are 15", 18", 20" and 22". When two sizes are used, the smaller must be used on top.

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 analysis and/or tests performed in a controlled lab environment that are consistent with industry practices, and is intended as a reference for system sizing and configuration purposes only and for use by persons having technical skill at their own discretion and risk. Conditions of use are outside of Tyler’s control and we do not assume and hereby disclaim any liability for results obtained or damages incurred through application of or reliance on the data presented, including but not limited to specific energy consumption with any particular model or installed application.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

20-Mar-08

TYLER SPEC SHEET

NHDHP(L,M)
NHDHP CROSS SECTION

83-1/4" 43"

58-1/4" (NHDHPM)

62-1/4" (NHDHPL)

31-1/2"

15", 16", 18", 20" or 22"

Load Line

18"

21-3/4"

18"

7-1/2"

3"

3" x 5" Rear Piping Access Area

9-1/2"

1"

33"

41-1/2"

43-1/2"

NOTES:
- Front height is 19-1/4" and tray depth is 29-5/8" for NHDHPL with noselight.
- Case and front heights are 3 inches taller for rear vacuum drain systems.

NHDHP 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.

3-1/2"

1" 32"

Base

32" O.A.

6', 8', or 12' Case length

3" x 5" Rear piping access area

Refrigeration 7/8" Suction 3/8" Liquid

2-1/2" Clearance between bottom of drain pipe and floor

Add 1-1/2" for Standard Patch End

Base legs

Optional 3" rear piping access area

1" PVC waste outlet pipe

Electric

1"" R or L

22"

(Front of case)

43-1/2"

5"