**SPECIFICATION SHEET**

- **N2MHP HIGH PERF. MED. TEMP. MEAT/DELI/Critical TEMP PRODUCE MERCHANDISERS**

### Refrigeration Data:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CASE LENGTH</th>
<th>CASE USAGE</th>
<th>CAPACITY (BTUH/FT)</th>
<th>DISCHARGE AIR</th>
<th>AVG. REF. CHARGE (LBS/FT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N2MHP</td>
<td>6'/8'/12'</td>
<td>MED TEMP</td>
<td>958* 1,075* +24**</td>
<td>+22</td>
<td>+28</td>
</tr>
</tbody>
</table>

* Capacity data listed for cases with optional 2 rows of T-8 canopy lights and optional T-8 shelf lighting. Adjustments must be made to this base rating for each option installed on this case. DEDUCT 23 BTUH/FT for each row of unlighted shelves. For sizing all refrigeration equipment other than TYLER, use conventional BTUH values.

** Evaporator temperature is defined as the saturated suction temperature leaving the case.

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

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>
</tr>
</thead>
<tbody>
<tr>
<td>N2MHP</td>
<td>6'</td>
<td>2</td>
<td>1.06 96.0</td>
<td>0.64 34.0</td>
<td>0.09 11.0</td>
</tr>
<tr>
<td>N2MHP</td>
<td>8'</td>
<td>2</td>
<td>1.06 96.0</td>
<td>0.64 34.0</td>
<td>0.13 16.0</td>
</tr>
<tr>
<td>N2MHP</td>
<td>12'</td>
<td>3</td>
<td>1.59 144.0</td>
<td>0.96 51.0</td>
<td>0.21 25.0</td>
</tr>
</tbody>
</table>

#### T-8 Lighting with Electronic Ballasts (120 Volt)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CASE LENGTH</th>
<th>CANOPY LIGHTS* --- PER ROW</th>
<th>SHELF LIGHTS - PER ROW</th>
<th>NOSE LIGHT</th>
<th>MAXIMUM LIGHTING (5 ROWS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N2MHP</td>
<td>6'</td>
<td>0.40 0.75 42.0 85.0</td>
<td>0.50 0.80 42.0 85.0</td>
<td>0.40 19.5 212.0</td>
<td></td>
</tr>
<tr>
<td>N2MHP</td>
<td>8'</td>
<td>0.50 0.95 57.0 113.0</td>
<td>0.70 1.10 57.0 113.0</td>
<td>0.50 57.0 283.0</td>
<td></td>
</tr>
<tr>
<td>N2MHP</td>
<td>12'</td>
<td>0.70 1.40 85.0 170.0</td>
<td>1.05 1.65 85.0 170.0</td>
<td>0.70 85.0 425.0</td>
<td></td>
</tr>
</tbody>
</table>

* Standard lighting for this case is 1 row of canopy lights.

### Defrost Data:

<table>
<thead>
<tr>
<th>DEFROST TYPE*</th>
<th>DEFROSTS PER DAY</th>
<th>DURATION TIME (MIN)**</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</td>
<td>26</td>
<td>MED TEMP 27°F 25°F</td>
<td>R22 (PSIG) 48</td>
<td>R404A (PSIG) 59</td>
<td>5.85</td>
</tr>
</tbody>
</table>

* All high performance cases use OFF CYCLE defrost

** NOTE: 26 minutes is for EPR with suction stop for defrost isolation. Defrost times increases by eight minutes (34 min. total) when defrost isolation is turned off.

*** If EPR is utilized, use the settings shown in the chart. **NOTE:** The customer will need to set the EPR on the parallel rack or single unit to the appropriate suction temperature and the N2MHP cases must be on a separate suction stub with a separate EPR. ADD 0.5# 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>8' 12' 16' 20' 24' 28' 32' 36' 40' 44' 48'</th>
</tr>
</thead>
<tbody>
<tr>
<td>N2MHP / R22</td>
<td>1/2 5/8' 7/8' 7/8' 7/8' 1 1/8' 1 1/8' 1 1/8'</td>
</tr>
</tbody>
</table>

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

Screens are standard. Shelves must be ordered separately. All rows of shelving require a shelf gasket. Shelves are available in 12", 15", 16", 18" and 20" deep sizes. When multiple shelf sizes are used, position smallest shelf size on top to largest shelf size on bottom.

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.

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20-Mar-08

TYLER SPEC SHEET

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N2MHP
N2MHP CROSS SECTION

Recommended Shelf Usage
(Min. 5° Downslope Req.)
3 Shelf Combinations
12"-Top, 15"-Middle, 18"-Bottom
12"-Top, 16"-Middle, 20"-Bottom
2 Shelf Combinations
12"-Top, 18"-Bottom
15"-Top, 18"-Bottom

Top Shelf Slot
23 Slots @ 1"
Increments

Bottom Shelf Slot

24-3/16"

30-3/8"

2-7/8"

50-1/2"

1-3/4"

1-7/16"

33-7/8"

25-3/16"

38-1/4"

30-3/4"

31-3/4"

N2MHP FLOOR PLAN

6' Case = 72-1/4"
8' Case = 96-3/8"
12' Case = 144-1/2"

Front of Case

Rear of Case

6' Case = 36-1/8"
8' Case = 48-3/16"
12' Case = 72-1/4"

Add 1-1/2" to Length for Each Standard Patch End

Tyler Spec Sheet

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N2MHP