

SPECIFICATION SHEET

- **N4M SOLID FRONT MULTI-SHELF MEAT/DELI/CRITICAL TEMP PROD. MERCHANDISERS •**
- **N4MG GLASS FRONT MULTI-SHELF MEAT/DELI/CRITICAL TEMP PROD. MERCHANDISERS •**

Refrigeration Data:

MODEL	CASE LENGTH	CASE USAGE	CAPACITY (BTUH / FT)		EVAPORATOR (°F)	UNIT SIZING (°F)	DISCHARGE AIR		AVG. REF. CHARGE (LBS/FT)
			PARALLEL	CONVENTIONAL			TEMPERATURE (°F)	VELOCITY (FPM)	
N4M	6'/8'/12'	MED TEMP	1,304*	1,490*	+18**	+16	+32	321***	0.84
N4MG	8'/12'	MED TEMP	1,194*	1,364*	+18**	+16	+32	321***	0.84

* Capacity data listed for cases with 2 rows of T-8 canopy lights and 3 rows of optional lighted shelves. 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 and 208 Volt)

MODEL	CASE LENGTH	FANS / CASE	TOTAL STANDARD FANS		TOTAL ECM FANS		TOTAL ANTI-SWEATS (120V)		208 VOLT DEFROST HEATER	
			AMPS	WATTS	AMPS	WATTS	DISCHARGE AIR AMPS	WATTS	AMPS	WATTS
N4M	6'/8'	2	1.06	96.0	0.64	34.0	0.30*	36.0	6.90	1,436
N4M	12'	3	1.59	144.0	0.96	51.0	0.50*	60.0	10.30	2,143
N4MG	8'	2	1.06	96.0	0.64	34.0	0.30*	36.0	6.90	1,436
N4MG	12'	3	1.59	144.0	0.96	51.0	0.50*	60.0	10.30	2,143

* Discharge air anti-sweat heater will only be on when the canopy lights are off. Use highest amp draw of the two circuits to figure electrical case requirements..

Heaters (208 Volt)

208 VOLT DEFROST (AMPS)											
FT	8	12	16	20	24	28	32	36	40	44	48
1 PH	6.9 TG-30	10.3 TG-30	13.8 TG-30	17.2 TG-30	20.6 TG-30	24.1 TG-40	27.5 TG-40	30.9 TG-40	34.4 TG-50	37.8 TG-50	41.2 TG-50
3 PH	N/A	N/A	12.0 TG-3-30	15.0 TG-3-30	18.0 TG-3-30	15.0 TG-3-30	18.0 TG-3-30	18.0 TG-3-30	21.0 TG-3-30	25.0 TG-3-40	28.0 TG-3-40

T-8 Lighting with Electronic Ballasts (120 Volt)

MODEL	CASE LENGTH	CANOPY LIGHTS – PER ROW*				SHELF LIGHTS – PER ROW						MAXIMUM LIGHTING (5 ROWS)	
		AMPS		WATTS		AMPS			WATTS			AMPS	WATTS
		1-ROW	2 ROWS	1-ROW	2-ROWS	1	2	3	1	2	3		
N4M	6'	0.40	0.75	42	85	0.38	0.75	1.13	42	85	127	1.88	212
N4M(G)	8'	0.50	0.95	60	114	0.70	1.10	1.40	84	132	168	2.35	282
N4M(G)	12'	0.70	1.40	84	168	1.05	1.65	2.10	126	198	252	3.50	420

Defrost Data:

DEFROST TYPE*	DEFROSTS PER DAY	DURATION TIME (MIN)	TERMINATION (°F)	EPR SETTINGS **		DEFROST WATER (LB / FT / DAY)	
				R22 (PSIG)	R404A (PSIG)	N4M	N4MG
TIME OFF	6	30	---	41	53	8.4	8.2
ELECTRIC	6	36	50				
HOT GAS	6	12-15	55*				
AIR DEFROST (N4M ONLY)	6	30	50				

* 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.

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**.

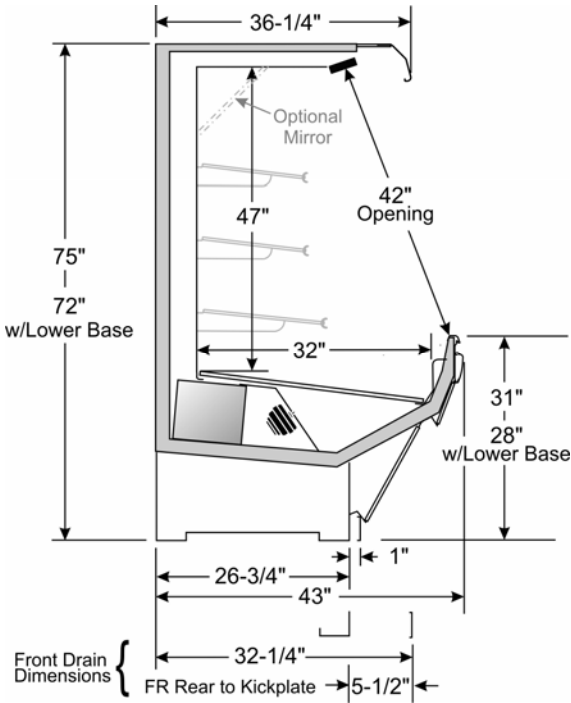
The information contained herein is based on technical analysis and/or tests performed in a controlled lab environment that are consistent with industry practices, and is intended as a reference for system sizing and configuration purposes only and for use by persons having technical skill at their own 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.

CASE-TO-CASE SUCTION LINE SUB-FEED BRANCH LINE SIZING												
MODEL	6'	8'	12'	16'	20'	24'	28'	32'	36'	40'	44'	48'
N4M(G) / R22	5/8"	7/8"	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"

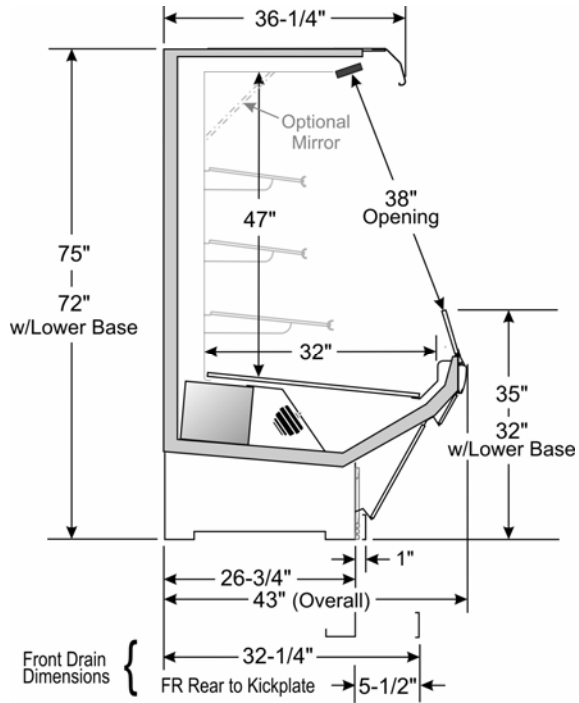
CASE CIRCUITS: This case requires a 120V circuit for fans, lights and anti-sweat heaters and a 208V circuit for Electric Defrost (if used).. Screens are standard. Shelving with gaskets must be ordered separately. All rows of shelving require shelf gaskets. A two-shelf arrangement includes (1) 15" shelf on top and (1) 18" shelf on bottom. A three-shelf arrangement includes (1) 15" shelf on top, (1) 15" shelf in the middle and (1) 18" shelf on the bottom.

When mirrors are used, only 12" or 16" wide mirrors are allowed. **NOTE:** 1 or 2 discharge holes must be left open between the top shelf and bottom of mirror.

N4M CROSS SECTION



N4MG CROSS SECTION



N4M(G) FLOOR PLAN

