

SPECIFICATION SHEET

- **N5M SOLID FRONT 5 DECK MEAT/DELI/CRITICAL TEMP PRODUCE MERCHANDISERS •**
- **N5MG GLASS FRONT 5 DECK MEAT/DELI/CRITICAL TEMP PRODUCE 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)	
N5M	8'/12'	MED TEMP	1,574*	1,876*	+15**	+13	+28	267***	0.45
N5MG	8'/12'	MED TEMP	1,548*	1,786*	+15**	+13	+28	267***	0.45

* Capacity data listed for cases with 2 rows of T-8 canopy lights and 4 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
N5M(G)	8'	2	1.06	96.0	0.64	34.0	0.30*	36.0	6.90	1,436
N5M(G)	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 (2 ROWS)*		SHELF LIGHTS - PER ROW								MAXIMUM LIGHTING (6 ROWS)	
		AMPS	WATTS	AMPS				WATTS				AMPS	WATTS
				1 ROW	2 ROWS	3 ROWS	4 ROWS	1 ROW	2 ROWS	3 ROWS	4 ROWS		
N5M(G)	8'	0.95	114	0.90	1.20	1.60	1.90	108	144	192	228	2.85	342
N5M(G)	12'	1.40	168	1.35	1.80	2.40	2.85	162	216	288	342	4.25	510

Defrost Data:

DEFROST TYPE*	DEFROSTS PER DAY	DURATION TIME (MIN)	TERMINATION (°F)	EPR SETTINGS **		DEFROST WATER (LB / FT / DAY)
				R22 (PSIG)	R404A (PSIG)	
TIME OFF	6	32	- - -	38	49.5	11.4
ELECTRIC	6	36	50			
HOT GAS	6	12-15	55*			

* 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.

DEFROST CIRCUITS: OFF CYCLE defrost is standard (use TC defrost module) – **OPTIONAL ELECTRIC** defrost uses a single or 3 phase 208V circuit – **OPTIONAL HOT GAS** defrost uses 2 control wires @ 208V per lineup.

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**.

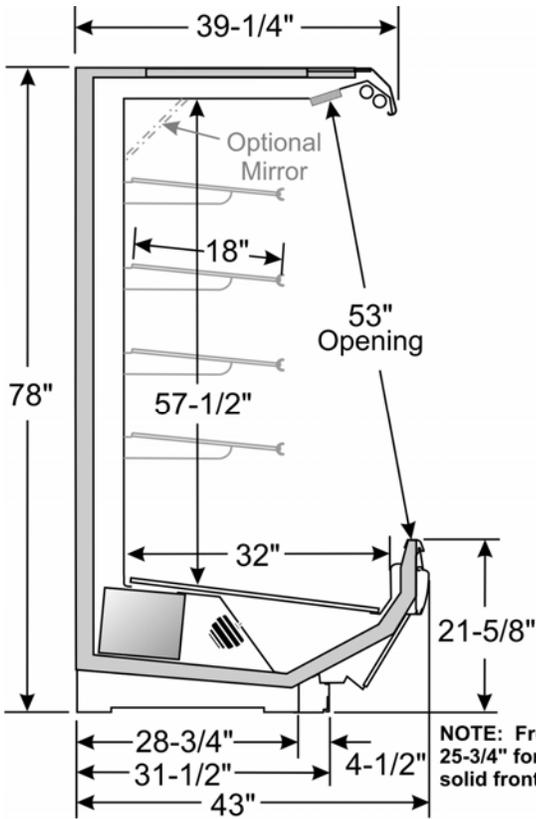
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CASE-TO-CASE SUCTION LINE SUB-FEED BRANCH LINE SIZING											
MODEL	8'	12'	16'	20'	24'	28'	32'	36'	40'	44'	48'
N5M(G) / R22	7/8"	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"

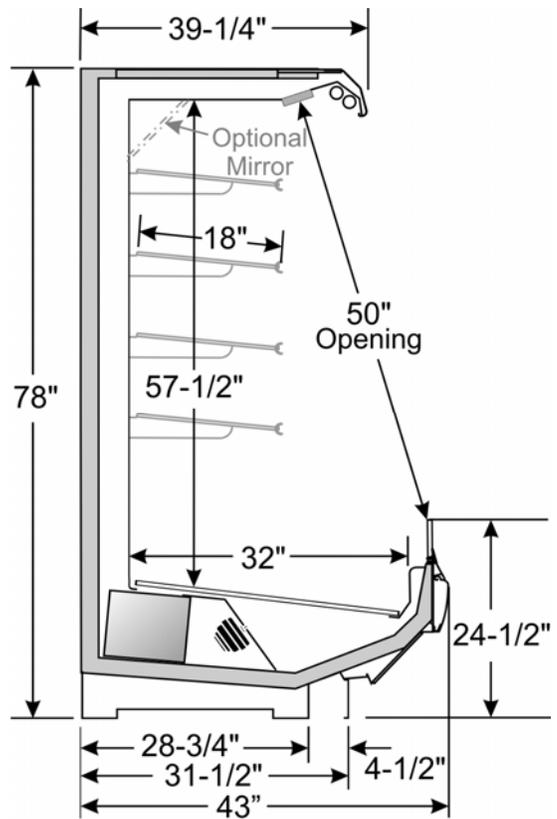
CASE CIRCUITS: This case requires a 120V circuit for fans, lights and anti-sweat heaters and a 208V circuit for Electric Defrost (if used). Screens are standard. Shelving must be ordered separately. All rows of shelving require a shelf gasket. Use either 15" or 18" shelves, (NO MIXING). Shelves must be aligned to prevent disruption of airflow.

NOTE: 1 or 2 discharge holes must be left open between the top shelf and bottom of mirror.

N5M CROSS SECTION



N5MG CROSS SECTION



N5M(G) FLOOR PLAN

