

SPECIFICATION SHEET

- **NM SOLID FRONT MEAT/DELI/CRITICAL TEMP PRODUCE MERCHANDISERS •**
- **NMG GLASS FRONT 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)	
NM	6'8'/12'	MED TEMP	432*	477*	+15**	+13	+28	215***	0.26
NMG	6'8'/12'	MED TEMP	387*	427*	+15**	+13	+28	215***	0.26

- * 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 208Volt)

MODEL	CASE LENGTH	FANS / CASE	TOTAL STANDARD FANS		TOTAL ECM FANS		TOTAL ANTI-SWEATS (120V)				DEFROST HEATER (208V)	
			AMPS	WATTS	AMPS	WATTS	DISCHARGE AIR AMPS WATTS		FRONT GLASS AMPS WATTS		AMPS	WATTS
NM	6'	2	0.68	60.4	0.44	22.0	0.20	24.0	N/A	N/A	6.5	1,352
NM	8'	2	0.68	60.4	0.44	22.0	0.30	36.0	N/A	N/A	6.9	1,435
NM	12'	3	1.02	90.6	0.66	33.0	0.40	48.0	N/A	N/A	10.3	2,142
NMG	6'	2	0.68	60.4	0.44	22.0	0.20	24.0	0.07	8.4	6.5	1,352
NMG	8'	2	0.68	60.4	0.44	22.0	0.30	36.0	0.10	12.0	6.9	1,435
NMG	12'	3	1.02	90.6	0.66	33.0	0.40	48.0	0.14	16.8	10.3	2,142

Heaters (208 Volt)

208 VOLT DEFROST (AMPS)														
FT	6	8	12	16	20	24	28	32	36	40	44	48	52	56
1 PH	6.5 TG-30	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	34.3 TG-50	37.8 TG-50	41.2 TG-50	44.6 TG-50	N/A
3 PH	N/A	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	30.0 TG-3-40	33.0 TG-3-50

Defrost Data:

DEFROST TYPE*	DEFROSTS PER DAY	DURATION TIME (MIN)	TERMINATION (°F)	EPR SETTINGS **		DEFROST WATER (LB / FT / DAY)	
				R22 (PSIG)	R404A (PSIG)	NM	NMG
TIME OFF	4	34	---	38	49.5	2.1	2.0
ELECTRIC	4	19	50				
HOT GAS	4	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 circuit – OPTIONAL HOT GAS defrost uses 2 control wires @ 208V per lineup – OPTIONAL AIR DEFROST (use DF-AD defrost module) requires 3 control wires @ 208V per lineup.

AIR DEFROST is not available for NMG cases.

CASE-TO-CASE SUCTION LINE SUB-FEED BRANCH LINE SIZING														
MODEL	6'	8'	12'	16'	20'	24'	28'	32'	36'	40'	44'	48'	52'	56'
NM(G) / R22	3/8"	1/2"	1/2"	5/8"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"

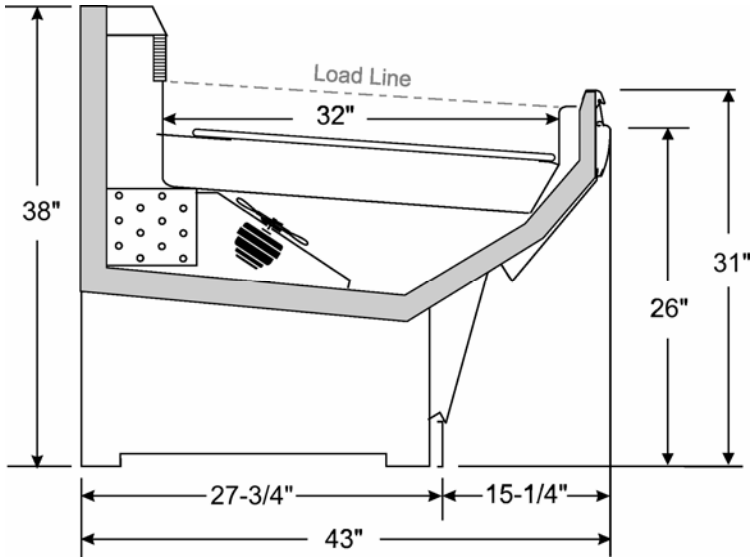
CASE CIRCUITS: This case requires a 120V circuit for fans and anti-sweat heaters.

UL SANITATION approved in accordance with ANSI/NSF - 7.

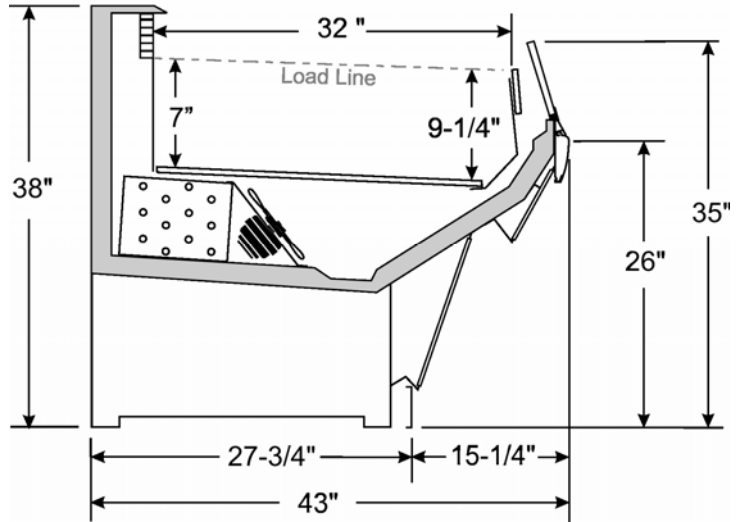
CASE BTUH REQUIREMENTS are calculated to produce approximately the indicated entering-air temperature with absolute maximum operating ambient limits of **75°F & 55RH**

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.

NM CROSS SECTION



NMG CROSS SECTION



FLOOR PLAN

