

SPECIFICATION SHEET

- **NMF SOLID FRONT SINGLE DECK FROZEN FOOD MERCHANDISERS** •
- **NMFG GLASS FRONT SINGLE DECK FROZEN FOOD 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)	
NMF	6'/8'/12'	FROZEN FOOD	327*	341*	-25**	-28	-15	155***	0.27****
NMFG	6'/8'/12'	FROZEN FOOD	327*	341*	-25**	-28	-15	155***	0.27****

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

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 STD FANS		TOTAL ECM FANS		TOTAL ANTI-SWEATS (120V)								DEFROST HEATER (208V)	
			AMPS	WATTS	AMPS	WATTS	DISCHARGE AIR		TRIM RAIL		GLASS RETAINER		FRONT GLASS		AMPS	WATTS
							AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS
NMF	6'	2	0.68	60.4	0.44	22.0	0.61	73.0	N/A	N/A	N/A	N/A	N/A	N/A	6.5	1,352
NMF	8'	2	0.68	60.4	0.44	22.0	0.95	114.0	N/A	N/A	N/A	N/A	N/A	N/A	6.9	1,435
NMF	12'	3	1.02	90.6	0.66	33.0	1.26	152.0	N/A	N/A	N/A	N/A	N/A	N/A	10.3	2,142
NMFG	6'	2	0.68	60.4	0.44	22.0	0.61	73.0	0.22	27.0	0.61	73.0	0.07	8.4	6.5	1,352
NMFG	8'	2	0.68	60.4	0.44	22.0	0.95	114.0	0.30	36.0	0.94	113.0	0.10	12.0	6.9	1,435
NMFG	12'	3	1.02	90.6	0.66	33.0	1.26	152.0	0.45	54.0	1.25	150.0	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)	
ELECTRIC	1	60	50	7.4	14	N/A
HOT GAS	2	16-20	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.

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'
NMF(G) / R404A	1/2"	5/8"	7/8"	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"

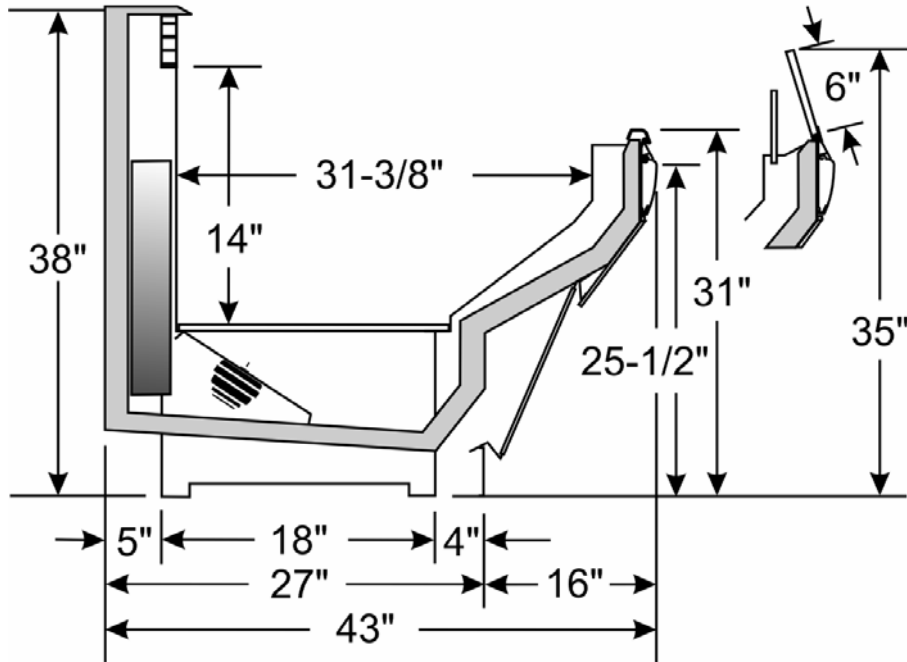
CASE CIRCUITS: In addition to the 208V defrost circuit, there is the 120V case fan circuit plus the 120V case anti-sweat heater circuit. Anti-sweat heater circuit includes allowance for lower glass retainer heater, upper glass trim rail and heated glass.

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.

NMF / NMFG CROSS SECTION



FLOOR PLAN

