

SPECIFICATION SHEET

FIXED STRAIGHT GLASS GRAVITY SERVICE WEDGE MERCHANDISER

Refrigeration Data:

MODEL	CASE LENGTH	CASE USAGE	CAPACITY (BTUH)		EVAPORATOR (°F)	UNIT SIZING (°F)	DISCHARGE AIR		AVG. REF. CHARGE (LBS/CS)
			PARALLEL	CONVENTIONAL			TEMPERATURE (°F)	VELOCITY (FPM)	
NVM450S	50"	GRAVITY-MEAT	673*	729*	+13**	+11	N/A	N/A	----

* Capacity data listed for cases with 1 row of compact top lights. 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 vertical part of the Rear Duct.

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)

MODEL	FANS / CASE	TOTAL STANDARD FANS		TOTAL ECM FANS		TOTAL ANTI-SWEATS	
		AMPS	WATTS	AMPS	WATTS	OUTER GLASS SUPPORT AMPS	WATTS
NVM450S	N/A	N/A	N/A	N/A	N/A	N/A	N/A

T8 Lighting with Electronic Ballasts (120 Volt)

MODEL	TOP LIGHTS - PER ROW				MAXIMUM LIGHTING *	
	AMPS (1 ROW) (2 ROWS)		WATTS (1 ROW) (2 ROWS)		AMPS (1 or 2 ROWS)	WATTS (1 or 2 ROWS)
NVM450S	N/A	0.40	N/A	48.0	0.40	48.0

* 2 rows of compact top lights for outside corner cases.

Defrost Data:

DEFROST TYPE	DEFROSTS PER DAY	DURATION TIME (MIN)	TERMINATION TEMP. (°F)	BACKUP PRESSURE SETTINGS *		EPR SETTINGS **		DEFROST WATER (LB / FT / DAY)
				CUT IN	CUT OUT	R22 (PSIG)	R404A (PSIG)	
TIME OFF	1	110	N/A	34# @ R22	24# @ R22	36	47	----

* Used with electronic thermostat and EPR control.

** Set EPR to give this pressure at the case.

An evaporator Pressure Regulator should be installed on each system to aid in temperature control. Set the EPR for 36 PSIG (R22).

Pressure control settings shown in the above table are for backup purposes only. The actual temperature control should be set by the thermostat.

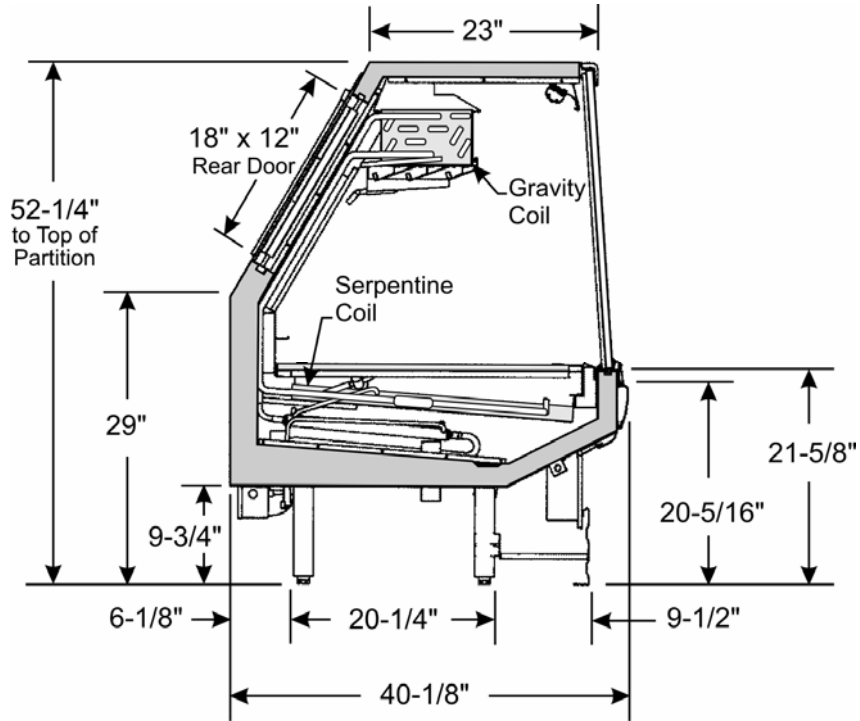
NVMOS setting for this case = CUT IN @ 17°F and CUT OUT @ 15°F.

NSF CERTIFIED to meet ANSI/NSF – 7.

CASE BTUH REQUIREMENTS are calculated to produce approximately the indicated performance 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.

NVM450S SERVICE WEDGE CROSS SECTION



This drawing show the dimensions for the NVM450S.
See floor plan views for specific width dimensions.

NVM450S SERVICE WEDGE FLOOR PLAN

