

• NHMGHP GLASS FRONT SINGLE DECK HIGH PERF. MED TEMP 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)	
NHMGHP	6'/8'/12'	MED TEMP	305*	347*	25**	23	27.5	270***	0.29

* 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.

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	CASE LENGTH	FANS / CASE	TOTAL STANDARD FANS		TOTAL ECM FANS		TOTAL ANTI-SWEATS			
			AMPS	WATTS	AMPS	WATTS	DISCHARGE AIR AMPS WATTS		FRONT GLASS AMPS WATTS	
NHMGHP	6'	2	0.68	60.4	0.44	22.0	0.22	27.0	0.07	8.4
NHMGHP	8'	2	0.68	60.4	0.44	22.0	0.30	36.0	0.10	12.0
NHMGHP	12'	3	1.02	90.6	0.66	33.0	0.40	48.0	0.14	16.8

Defrost Data:

DEFROST TYPE*	DEFROSTS PER DAY	DURATION TIME (MIN)	TERM. TEMP. (°F)	ELEK. THERMOSTAT / AIR SENSOR SETTINGS			EPR SETTINGS ***		CONVENTIONAL COMPRESSOR SETTINGS****				DEFROST WATER (LB / FT / DAY)
				USAGE	CUT IN	CUT OUT	R22 (PSIG)	R404A (PSIG)	R22 (PSIG) CUT-IN CUT-OUT		R404A (PSIG) CUT-IN CUT-OUT		
TIME OFF	4	44**	----	MED TEMP	28°F	26°F	49	62	47	36	60	47	1.5
HOT GAS	4	15	45	MED TEMP	----	----	49	62	47	36	60	47	1.5

* All high performance cases come with **OFF CYCLE** defrost.

** **NOTE:** 44 minutes is for EPR with suction stop for defrost isolation. Defrost times increases by eight minutes (52 min. total) when defrost isolation is by pump down.

*** If EPR is utilized, use the settings shown in the chart. **NOTE:** The customer will need to set the EPR on the parallel rack or single unit to the appropriate suction temperature and the NM(G)HP cases must be on a separate suction stub with a separate EPR. **ADD** 0.5# to EPR setting for each 1000 foot rise in elevation.

**** Required setup for a conventional unit uses an electronic thermostat to assure accurate temperature control.

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

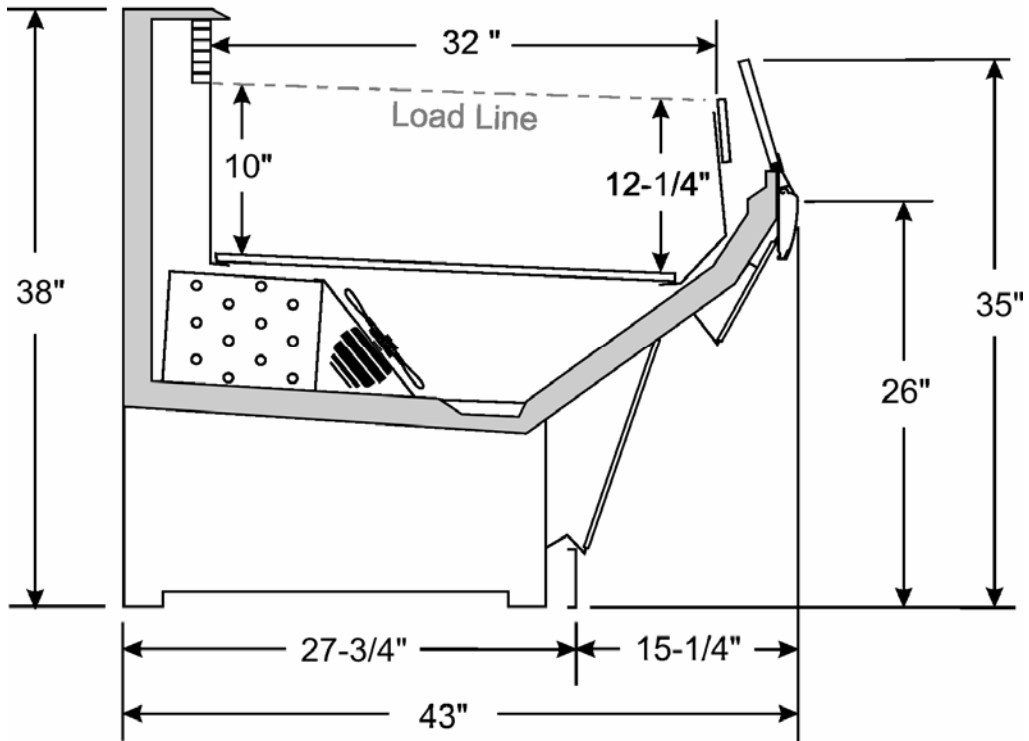
CASE CIRCUITS: This case requires a 120V circuit for fans and anti-sweat heaters.

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.

NHMGHP CROSS SECTION



FLOOR PLAN

