

SPECIFICATION SHEET

• N6MHP HIGH PERFORMANCE MULTI-SHELF MEDIUM TEMP MEAT 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)	
N6MHPL	6' / 8' / 12'	MED TEMP	1,481*	1,661*	+24**	+22	+28	258***	0.57
N6MHPM	4' / 6' / 8' / 12'	MED TEMP	1,421*	1,594*	+24**	+22	+28	258***	0.57

* Capacity data listed for cases with 2 rows of T-8 canopy lights, optional 4 rows of lighted shelves and 1 row of nose lights. 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 Volt)

MODEL	CASE LENGTH	FANS / CASE	TOTAL STANDARD FANS		TOTAL ECM FANS		TOTAL ANTI-SWEATS	
			AMPS	WATTS	AMPS	WATTS	AMPS	WATTS
N6MHPM	4'	1	1.00	82.6	N/A	N/A	N/A	N/A
N6MHP(L/M)	6'	2	2.00	165.2	N/A	N/A	N/A	N/A
N6MHP(L/M)	8'	2	2.00	165.2	N/A	N/A	N/A	N/A
N6MHP(L/M)	12'	3	3.00	247.8	N/A	N/A	N/A	N/A

T-8 Lighting with Electronic Ballasts (120 Volt)

MODEL	CASE LENGTH	CANOPY LIGHTS* --- PER ROW				SHELF LIGHTS - PER ROW								NOSE LIGHT		MAX. LIGHTING (7 ROWS)	
		AMPS		WATTS		AMPS				WATTS				AMPS	WATTS	AMPS	WATTS
		1	2	1	2	1	2	3	4	1	2	3	4				
N6MHPM	4'	0.35	0.50	42	60	0.45	0.60	0.80	0.95	54	72	96	114	0.35	42	1.80	216
N6MHP(L/M)	6'	0.40	0.75	48	90	0.60	0.90	1.20	1.50	72	108	144	180	0.40	48	2.65	318
N6MHP(L/M)	8'	0.50	0.95	60	114	0.90	1.20	1.60	1.90	108	144	192	228	0.50	60	3.35	402
N6MHP(L/M)	12'	0.70	1.40	84	168	1.35	1.80	2.40	2.85	162	216	288	342	0.70	84	4.95	594

* Standard lighting for this case is 2 rows of T-8 canopy lights.

Defrost Data:

DEFROST TYPE*	DEFROSTS PER DAY	DURATION TIME (MIN)**	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	6	26	MED TEMP	28°F	26°F	48	61	46	35	59	47	7.05

* All high performance cases use OFF CYCLE defrost.

** NOTE: 26 minutes is for EPR with suction stop for defrost isolation. Defrost times increases by four minutes (30 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 N6MHP 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	4' / 6'	8'	12'	16'	20'	24'	28'	32'	36'	40'	44'	48'	52'	56'
N6MHP(L/M) R22	7/8"	7/8"	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"

CASE CIRCUITS: This case requires a 120V circuit for fans and lights.

Screens are standard. Shelving must be ordered separately. All rows of shelving require a shelf gasket. Shelves are available in 15", 16" and 18" deep sizes. When multiple shelf sizes are used, position smallest shelf size on top to largest shelf size on bottom.

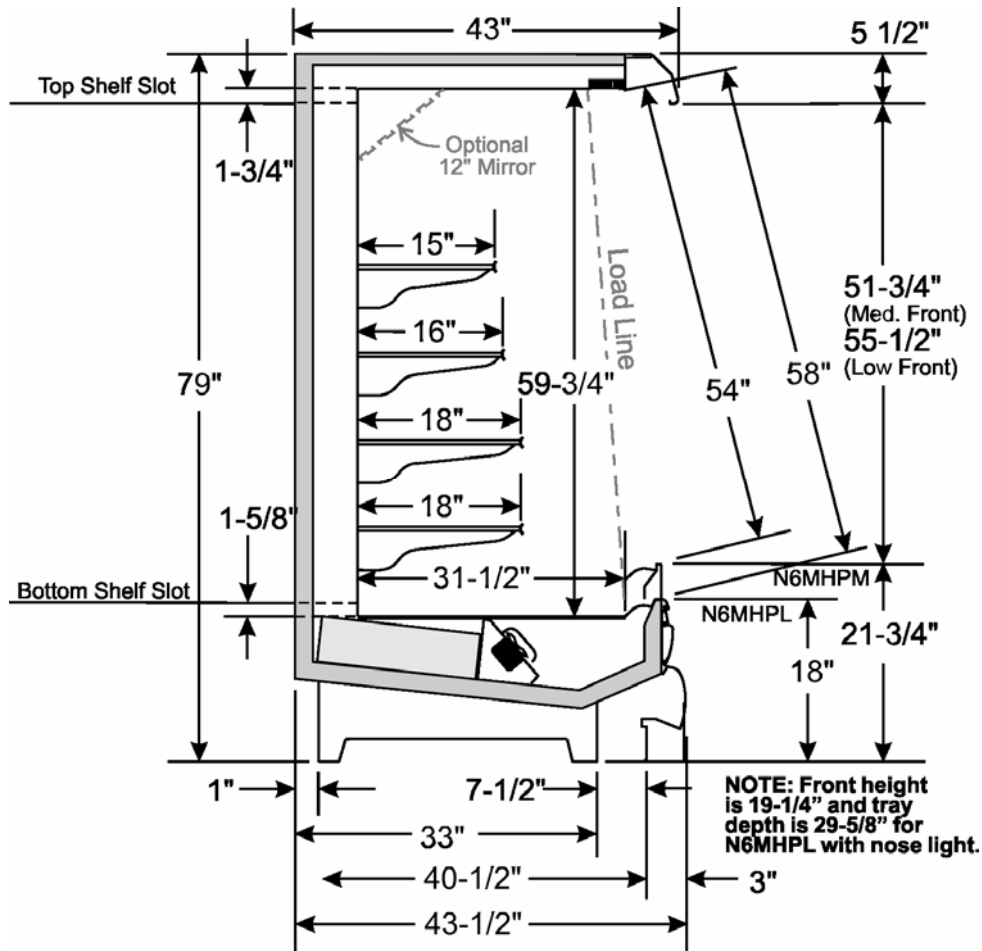
When mirrors are used, only 12" wide mirrors are allowed. NOTE: 1 or 2 rows of discharge holes must be left open between the top shelf and bottom of mirror.

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.

N6MHP CROSS SECTION



FLOOR PLAN

