TYLER REFRIGERATION

SPECIFICATION SHEET

• N6DHPA & N6DHPR HIGH PERF. MULTISHELF MED TEMP DAIRY/DELI 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)	
N6DHPLA	4'/6'/8'/12'	MED TEMP	1,138*	1,198*	+28**	+26	+34	170***	0.55****
N6DHPMA	4'/6'/8'/12'	MED TEMP	1,092*	1,150*	+28**	+26	+34	170***	0.55****
N6DHPHA	6'/8'/12'	MED TEMP	1,046*	1,101*	+28**	+26	+34	170***	0.55****
N6DHPLR	8'/12'	MED TEMP	1,504*	1,617*	+28**	+26	+31	176***	0.48****
N6DHPMR	8'/12'	MED TEMP	1,458*	1,569*	+28**	+26	+31	176***	0.48****

*** Capacity data listed for cases with 2 rows of T-8 canopy lights and 4 rows of unlighted 22" deep shelves. Adjustments must be made to this base rating for each option installed on this case. ADD 23 BTUH/FT for each row of lighted shelves. For cases using peg bars, ADD 132 BTUH/FT to parallel load or ADD 153 BTUH/FT to conventional load. NOTE: Baffles are required above each peg bar row to provide proper air flow around the food products. 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. DEDUCT 5 FPM for front load case using peg bars. DEDUCT 20 FPM for rear load case using peg bars.**

****** 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 Volt)

MODEL	CASE LENGTH	FANS / CASE	TOTAL STANDARD FANS		TOTAL ECM FANS		TOTAL ANTI-SWEATS	
			AMPS	WATTS	AMPS	WATTS	AMPS	WATTS
N6DHP(L/M)A	4'	1	0.36	42.0	0.35	26.0	N/A	N/A
N6DHP(L/M/H)A	6'	2	0.72	84.0	0.70	52.0	N/A	N/A
N6DHP(L/M/H)A	8'	2	0.72	84.0	0.70	52.0	N/A	N/A
N6DHP(L/M/H)A	12'	3	1.08	126.0	1.05	78.0	N/A	N/A
N6DHP(LR/MR)	8'	2	0.72	84.0	0.70	52.0	N/A	N/A
N6DHP(LR/MR)	12'	3	1.08	126.0	1.05	78.0	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 (8 ROWS)	
		AMPS		WATTS		AMPS					WATTS					AMPS	WATTS	AMPS	WATTS
		1	2	1	2	1	2	3	4	5	1	2	3	4	5				
N6DHPA	4'	0.35	0.50	42.0	60.0	0.45	0.60	0.80	0.95	1.30	54.0	72.0	96.0	114.0	156.0	0.35	42.0	2.15	258.0
N6DHPA	6'	0.40	0.75	48.0	90.0	0.60	0.90	1.20	1.50	1.90	72.0	108.0	144.0	180.0	228.0	0.40	48.0	3.05	366.0
N6DHPA/ N6DHPR	8'	0.50	0.95	60.0	114.0	0.90	1.20	1.60	1.90	2.40	108.0	144.0	192.0	228.0	288.0	0.50	60.0	3.85	462.0
N6DHPA/ N6DHPR	12'	0.70	1.40	84.0	168.0	1.35	1.80	2.40	2.85	3.55	162.0	216.0	288.0	342.0	426.0	0.70	84.0	5.65	678.0

* Standard lighting for this case is 2 rows of 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)		R404A (PSIG)		
								CUT-IN	CUT-OUT	CUT-IN	CUT-OUT	
TIME OFF	4	18	FRONT LOAD – ALL APPLICATIONS	33°F	32°F	52	66	50	36	64	47	5.2 (max.)
TIME OFF	6	16	REAR LOAD – ALL APPLICATIONS	32°F	30°F	52	66	50	36	64	47	4.3

* All high performance cases use **OFF CYCLE** defrost

** **NOTE:** Mixed case line-ups require a defrost schedule change. Mixed case line-ups consist of front load with rear load cases or front load with corner cases. Front and rear load case line-ups require 6 defrosts at 16 minutes. Front load with corner case line-ups require 6 defrosts at 18 minutes.

*** **NOTE:** 18 or 16 minutes is for EPR with suction stop for defrost isolation. Defrost times increases by four minutes when defrost isolation is by pump down.

**** If EPR is utilized, use the settings shown in the chart. **ADD** 0.5# to EPR setting for each 1000 foot rise in elevation.

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

SHELVING NOTES: Shelving widths available for these cases are 15", 18", 20" and 22". When two sizes are used, the smaller must be on top.

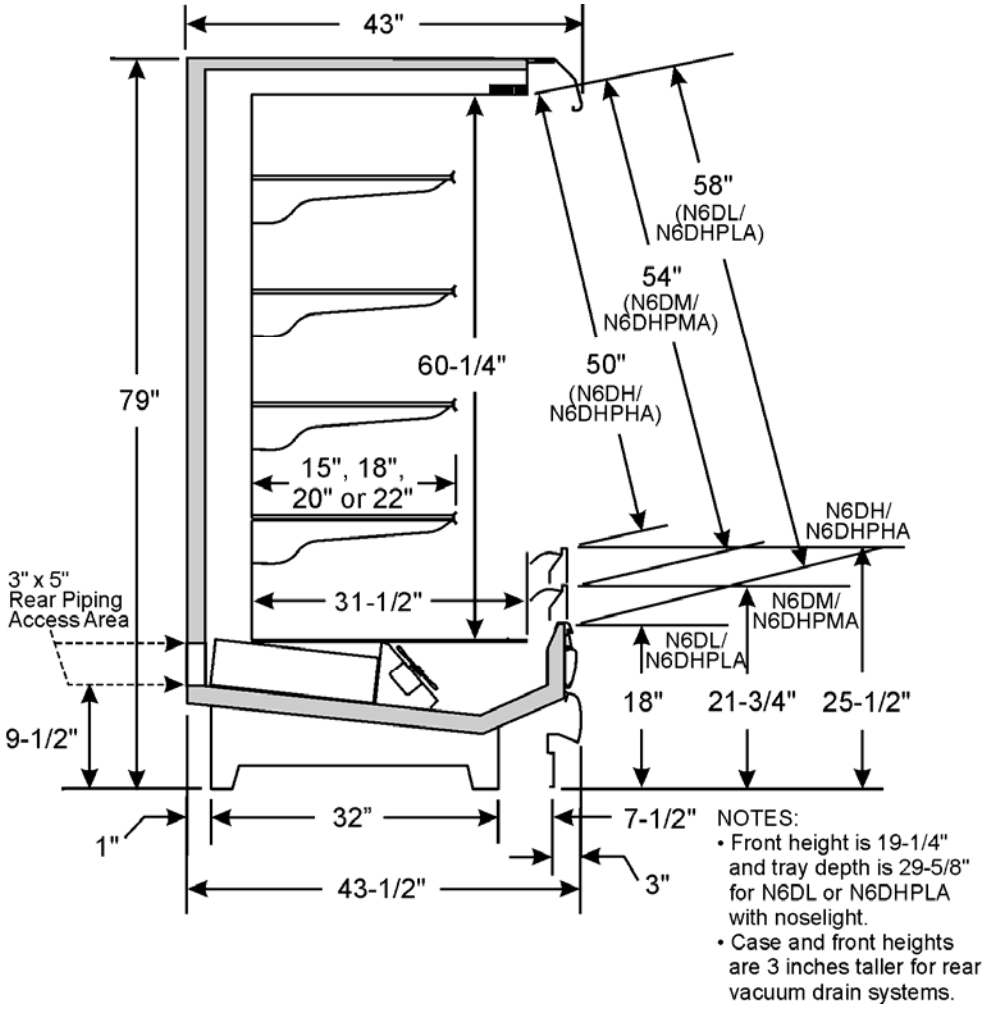
UL SANITATION approved in accordance with ANSI/NSF – 7.

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

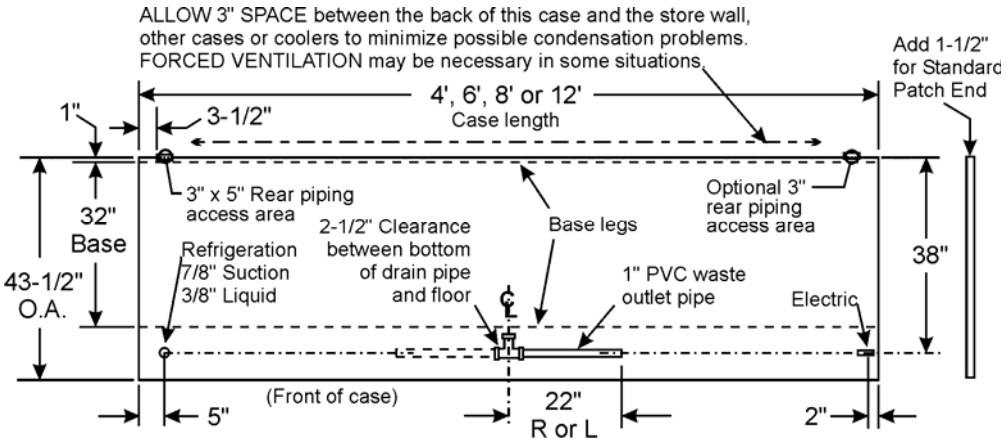
23-Jun-08

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’
N6DHPA/ N6DHPR (R22)	7/8”	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”

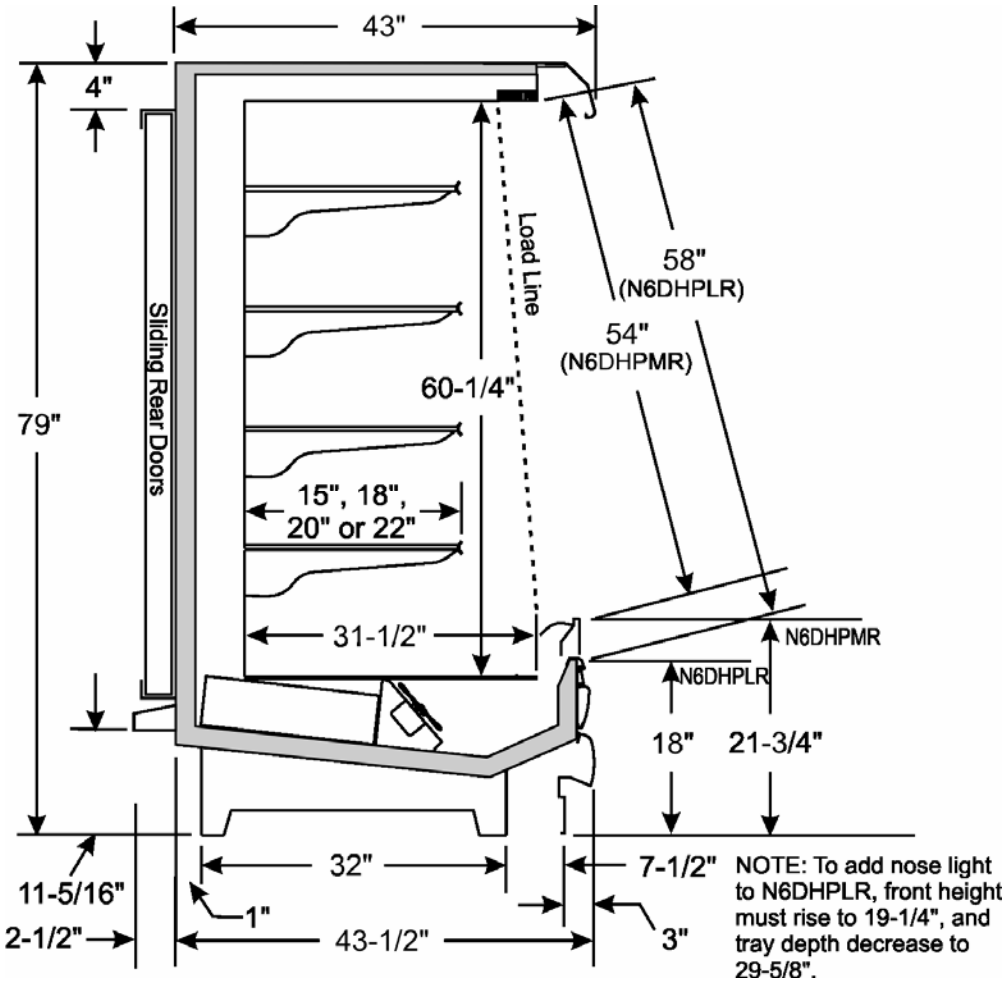
N6DHPA CROSS SECTION



FLOOR PLAN



N6DHPR CROSS SECTION



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