

SPECIFICATION SHEET

- **N2P/N2PS BULK PRODUCE/MEAT/DELI/CRITICAL TEMP PRODUCE MERCHANDISERS** •
- **N2PSE BULK PRODUCE/MEAT/DELI/CRITICAL TEMP PROD. CROWN END MERCHANDISER** •

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)	
N2P	6'8"/12'	BULK PRODUCE	738*	835*	+20**	+18	+33	180***	0.47
N2PS	6'8"/12'	BULK PRODUCE	641*	726*	+20**	+18	+28	250***	0.47
N2PSE	93"	BULK PRODUCE	5,484	6,208	+20**	+18	+24	142***	0.57
N2P	6'8"/12'	MEAT/DELI/ CRIT TEMP PROD (2 Shelf Rows)	925*	1,047*	+15**	+13	+30	180***	0.47
N2P	6'8"/12'	MEAT/DELI/ CRIT TEMP PROD (3 Shelf Rows)	842*	953*	+15**	+13	+30	180***	0.47
N2PS	6'8"/12'	MEAT/DELI/ CRIT TEMP PROD (No Shelving)	657*	744*	+15**	+13	+28	250***	0.47
N2PSE	93"	MEAT/DELI/ CRIT TEMP PROD (No Shelving)	5,621	6,363	+15	+13	+24	142***	0.57

* Capacity data listed for cases with one row of T-8 canopy lighting (N2P only) and unlighted shelving. ADD 23 BTUH/FT for each row of lighted shelves. For sizing all refrigeration equipment other than TYLER, use conventional BTUH values.

** Evaporator temperature is defined as 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 and 208 Volt)

MODEL	CASE LENGTH	FANS / CASE	TOTAL STANDARD FANS		TOTAL ECM FANS		DISCHARGE AIR ANTI-SWEAT (120 VOLT)				208 VOLT DEFROST HEATER	
			AMPS	WATTS	AMPS	WATTS	AMPS		WATTS		AMPS	WATTS
							N2P	N2PS(E)	N2P	N2PS(E)		
N2P/N2PS	6'	2	1.06	96.0	0.44	22.0	0.10	0.26	11.3	31.0	6.50	1,352
N2P/N2PS	8'	2	1.06	96.0	0.44	22.0	0.13	0.34	15.6	40.7	6.90	1,436
N2P/N2PS	12'	3	1.59	144.0	0.66	33.0	0.20	0.50	24.5	58.4	10.30	2,143
N2PSE	93"	2	0.68	60.4	0.44	22.0	---	0.70	---	8.2	4.88	1015

Heaters (208 Volt)

FT	208 VOLT DEFROST (AMPS)												
	6	8	12	16	20	24	28	32	36	40	44	48	52
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-30	34.4 TG-50	37.8 TG-30	41.2 TG-50	44.7 TG-50
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

T-8 Lighting with Electronic Ballasts (120 Volt)

MODEL	CASE LENGTH	CANOPY LIGHTS - ONE ROW*		SHELF LIGHTS - PER ROW						MAXIMUM LIGHTING (2 OR 4 ROWS)	
		AMPS	WATTS	AMPS			WATTS			AMPS	WATTS
				1	2	3	1	2	3		
N2P	6'	0.40	48.0	0.50	0.80	1.10	60.0	96.0	132.0	1.50	180.0
N2P	8'	0.50	60.0	0.70	1.10	1.40	84.0	132.0	168.0	1.90	228.0
N2P	12'	0.70	84.0	1.05	1.65	2.10	126.0	198.0	252.0	2.80	336.0
N2PS	6'	N/A	N/A	0.50	0.80	N/A	60.0	96.0	N/A	0.80	96.0
N2PS	8'	N/A	N/A	0.70	1.10	N/A	84.0	132.0	N/A	1.10	132.0
N2PS	12'	N/A	N/A	1.05	1.65	N/A	126.0	198.0	N/A	1.65	198.0
N2PSE	93"	N/A	N/A	1.06	2.12	N/A	127.0	255.0	N/A	2.12	255.0

* Standard lighting for this N2P cases is 1 row of canopy lights. N2PS and N2PSE cases do not come with any standard lighting.

Maximum optional lighting for the N2PS and N2PSE cases is two rows of lighted shelves.

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.

Defrost Data:

DEFROST TYPE	DEFROSTS PER DAY	DURATION TIME (MIN)	TERMINATION (°F)	EPR SETTINGS **		DEFROST WATER (LB / FT / DAY)
				R22 (PSIG)	R404A (PSIG)	
TIME OFF - BULK	6	28	---	43	56	N/A
TIME OFF - MEAT / DELI / CRIT TEMP PROD	6	28	---	38	49	N/A
ELECTRIC - MEAT / DELI / CRIT TEMP PROD	6	36	50			N/A
HOT GAS - MEAT / DELI / CRIT TEMP PROD	6	12-15	55*			N/A

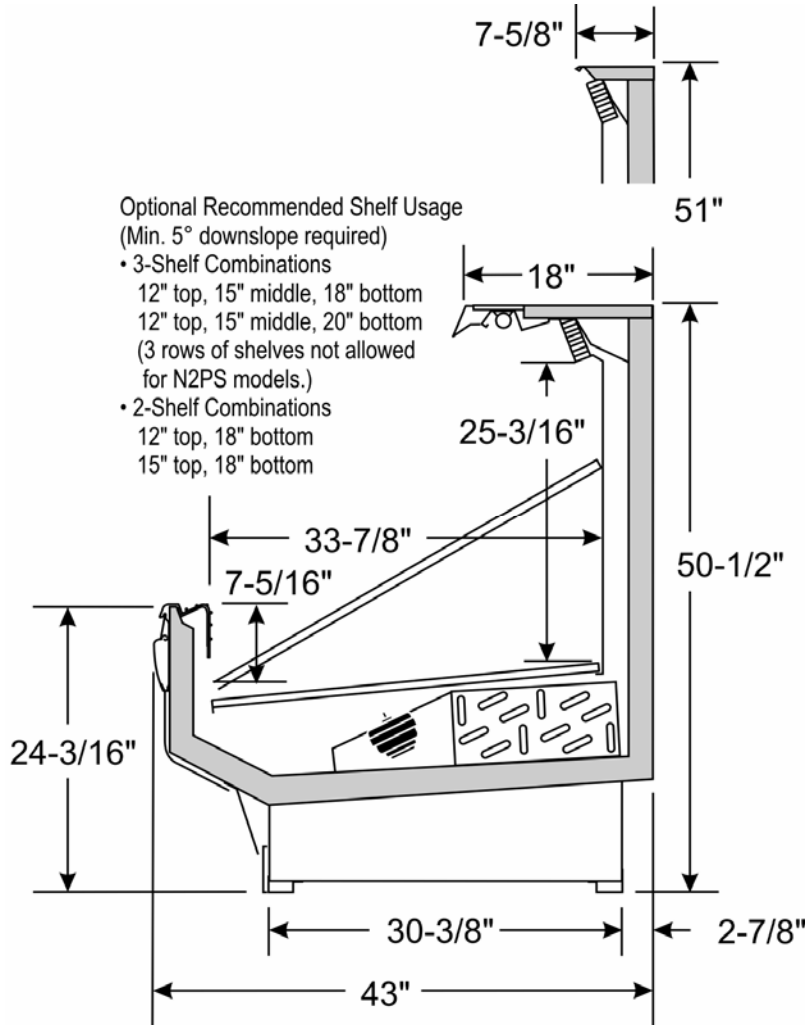
* If an Electronic Sensor is used for termination, it should be set at 70°F termination temperature. The sensor must be located in the same location as the defrost termination klixon for that defrost type.

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

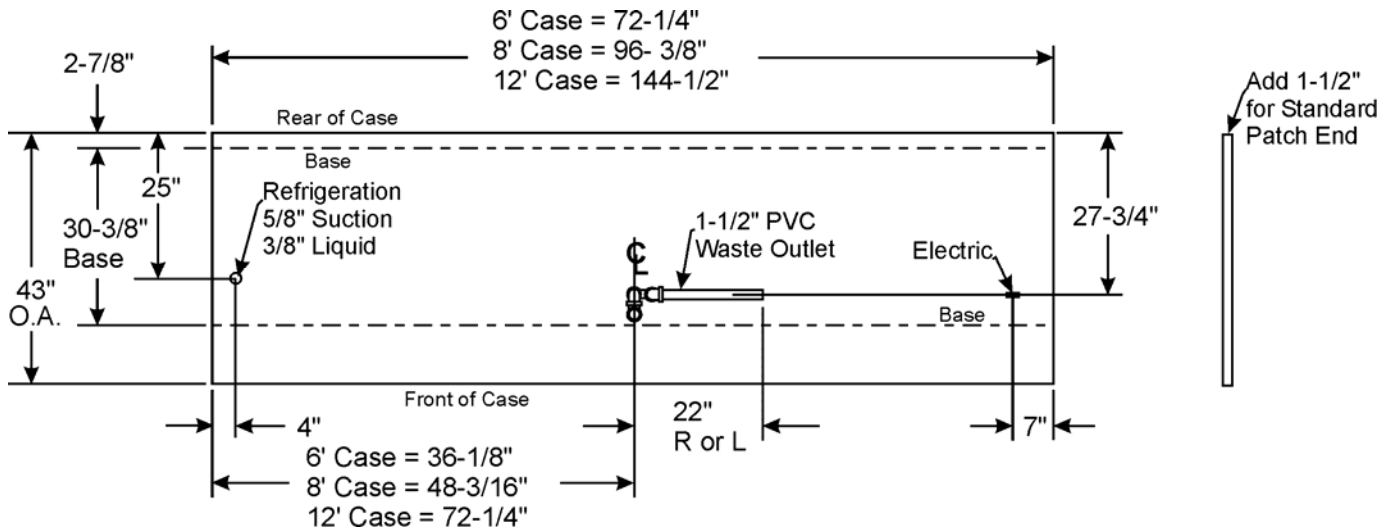
DEFROST CIRCUITS: OFF CYCLE defrost is standard (use TC defrost module) – **OPTIONAL ELECTRIC** defrost uses a single or 3 phase circuit – **OPTIONAL HOT GAS** defrost uses 2 control wires @ 208V per lineup.

CASE-TO-CASE SUCTION LINE SUB-FEED BRANCH LINE SIZING													
MODEL	6'	8'	12'	16'	20'	24'	28'	32'	36'	40'	44'	48'	52'
N2P/N2PS R22	1/2"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"

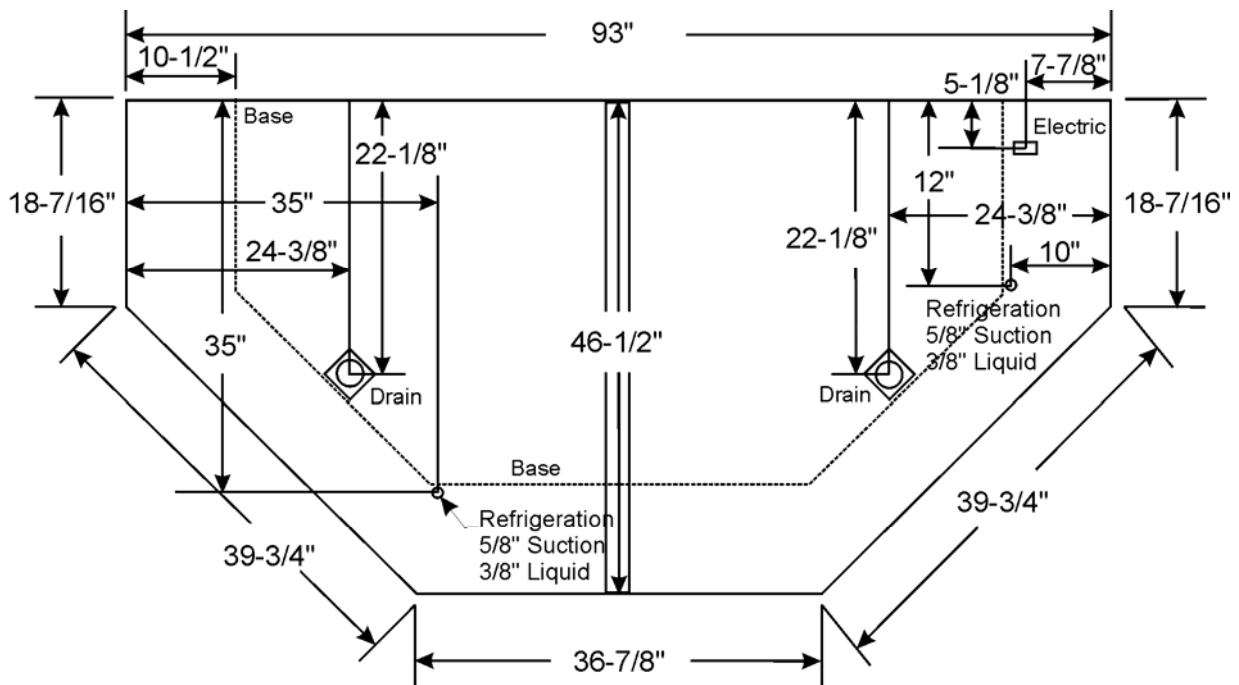
N2P/N2PS CROSS SECTION



N2P/N2PS FLOOR PLAN



N2PSE FLOOR PLAN



NOTE: There are four separate Suction & Liquid Refrigeration Line connection points in this case. All Refrigeration Lines can connect to either side of the adjoining case-to-case lineup. The access holes in the back of the N2PSE case line up with the access holes in the ends of the N2PS case.