TYLER REFRIGERATION

SPECIFICATION SHEET

• NSSD SELF-SERVICE 3 DECK MEAT/DELI/CRITICAL TEMP PRODUCE 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)	
NSSD	4'/6'/8'/12'	MED TEMP	811*	918*	+15**	+13	+27	150***	0.18

*** Capacity data listed for cases with 1 row of T-8 canopy lights and 3 rows of optional lighted shelves. 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 and 208 Volt)

MODEL	CASE LENGTH	FANS / CASE	TOTAL STANDARD FANS		TOTAL ECM FANS		TOTAL ANTI-SWEATS		208 VOLT DEFROST HEATER	
			AMPS	WATTS	AMPS	WATTS	DISCHARGE AIR AMPS	DISCHARGE AIR WATTS	AMPS	WATTS
NSSD	4'	2	1.06	96	N/A	N/A	0.14	17.0	4.50	936
NSSD	6'	2	1.06	96	0.44	22	0.10	12.0	6.50	1,352
NSSD	8'	2	1.06	96	0.44	22	0.13	15.6	6.90	1,436
NSSD	12'	3	1.59	144	0.66	33	0.20	24.0	10.30	2,143

Heaters (208 Volt)

	208 VOLT DEFROST (AMPS)													
FT	**4**	**6**	**8**	**12**	**16**	**20**	**24**	**28**	**32**	**36**	**40**	**44**	**48**	**52**
1 PH	4.5 TG-30	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	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*		SHELF LIGHTS – PER ROW						MAXIMUM LIGHTING (4 ROWS)	
		AMPS 1	WATTS 1	AMPS 1	AMPS 2	AMPS 3	WATTS 1	WATTS 2	WATTS 3	AMPS	WATTS
NSSD	4'	0.35	42	0.45	0.60	0.80	54	72	96	1.15	138
NSSD	6'	0.40	48	0.50	0.80	1.10	60	96	132	1.50	180
NSSD	8'	0.50	60	0.70	1.10	1.40	84	132	168	1.90	228
NSSD	12'	0.70	84	1.05	1.65	2.10	126	198	252	2.80	336

* One row of canopy lights is standard for this case.

Defrost Data:

DEFROST TYPE*	DEFROSTS PER DAY	DURATION TIME (MIN)	TERMINATION (°F)	EPR SETTINGS **		DEFROST WATER (LB / FT / DAY)	
				R22 (PSIG)	R404A (PSIG)	N3MG	N3MGE
TIME OFF	6	28	- - -	38	50	5.5	5.2
ELECTRIC	6	36	50				
HOT GAS	6	12-15	55*				

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

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

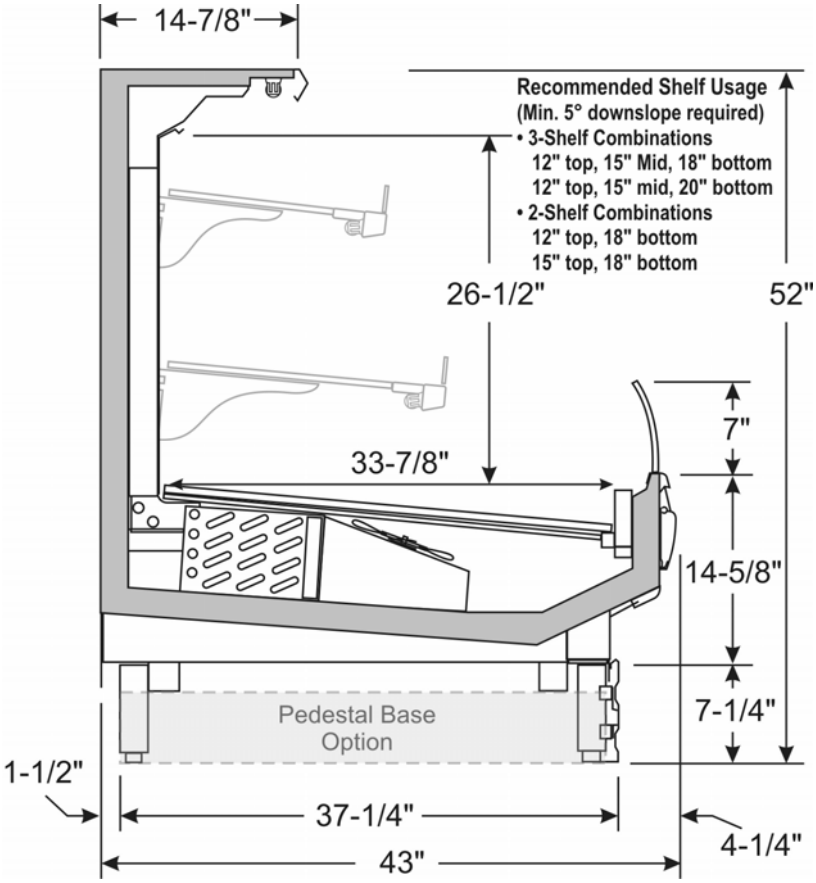
Screens are standard. Shelving must be ordered separately. All rows of shelving require a shelf gasket. Shelves are available in 12", 15", 16", 18" and 20" deep sizes. When multiple shelf sizes are used, position smallest shelf size on top to largest shelf size on bottom.

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**.

30-July-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’
NSSD / R22	1/2”	5/8”	5/8”	7/8”	7/8”	7/8”	1 1/8”	1 1/8”	1 1/8”	1 1/8”	1 1/8”	1 3/8”	1 3/8”	1 3/8”

NSSD CROSS SECTION



FLOOR PLAN