

NFJG/NCJG GLASS FRT JUMBO ISLAND FF & IC MERCHANDISER  
 NFJGE/NCJGE GLASS FRT JUMBO ISLAND FF & IC END MERCHANDISER  
 NTJG/NFMJG GLASS FRT JUMBO ISLAND SPLIT TEMP MERCHANDISER

MODEL	NFJG	NCJG	NFJG	NFJG/NFMJG	NTJG
USAGE	FF	IC	MED TEMP	DUAL (FF/MED)	TWIN (FF/IC)
CAPACITY (BTUH/FT)	738	895	594	369 / 297	369 / 448
EVAPORATOR**	-25F	-35F	+15F	-25F / +15F	-25F / -35F
ENTER AIR°	-15F	-25F	+22F	-15F / +22F	-15F / -25F

\* Evaporator temperature is defined as the saturated suction temperature leaving the case.

FOR ENERGY CALCULATION DATA REFER TO THE ENERGY SECTION. FOR COMPRESSOR SIZING INFORMATION REFER TO THE "GOLD" SECTION & FOR LINE SIZING INFORMATION REFER TO THE "BUFF" SECTION OF THE TYLER SPECIFICATION GUIDE.

208 VOLT DEFROST (AMPS)											
FT	8	12	16	20	24	28	32	36	40	44	48
FF/MED 1 PH	13.8 TG-30	20.6 TG-30	27.6 TG-40	34.4 TG-50	41.2 TG-50	N/A	N/A	N/A	N/A	N/A	N/A
FF/MED 3 PH	12.0 TG-3- 30	18.0 TG-3- 30	18.0 TG-3- 30	21.0 TG-3- 40	27.0 TG-3- 50	30.0 TG-3- 40	33.0 TG-3- 50	36.0 TG-3- 50	42.0 TG-3- 50	24/24 TG-3- 40-40	27/27 TG-3- 40-40
IC 1 PH	27.6 TG-40	41.2 TG-50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IC 3 PH	24.0 TG-3- 30	36.0 TG-3- 50	36.0 TG-3- 50	42.0 TG-3- 50	36/36 TG-3 50-50	30/30 TG-3 40-40	36/36 TG-3 50-50	36/36 TG-3 50-50	42/42 TG-3 50-50	N/A	N/A
CASE-TO-CASE SUCTION LINE SUB-FEED BRANCH LINE SIZING											
R404A FF	7/8"	7/8"	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 5/8"
R404A IC	7/8"	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"
R22 MED	1/2"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"

DEFROST CONTROL				BACKUP PRESSURE SETTINGS**			EPR SETTINGS***	
PER DAY	MODE	TIME	TERM.		CUT IN	CUT OUT	R22	R404A
1	ELECT / FF	60 MIN.	50F	FF	12# @ R404A	2# @ R404A	---	14#
1	ELECT / IC	36 MIN.	50F	IC	6# @ R404A	1# @ R404A	---	8#
1	ELECT / MED	36 MIN.	50F	MED	34# @ R22	24# @ R22	37#	---
2-3	HOT GAS / FF	20-25 MIN.	55F*	FF	12# @ R404A	2# @ R404A	---	14#
1	HOT GAS / IC	25-30 MIN.	55F*	IC	6# @ R404A	1# @ R404A	---	8#
2-3	HOT GAS / MED	20-25 MIN.	55F*	MED	12# @ R22	24# @ R22	37#	---

\* If an Electronic Sensor is used for termination, it should be set at 70°F termination temperature.

\*\* Used with Electronic Thermostat and EPR Control. \*\*\* Set EPR to give this pressure at the case.

**CASE CIRCUITS:** In addition to the 208V defrost circuit, there is the 120V case fan circuit plus the 120V case anti-sweat heater circuit. Shelf or canopy lights require a separate 120V circuit which can be switched at the back room for convenience in controlling the lights.

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

The information contained herein is based on technical data and tests which we believe to be reliable and is intended for use by persons having technical skill, at their own discretion and risk. Since conditions of use are outside Tyler's control, we can assume no liability for results obtained or damages incurred through the applications of the data presented. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

NFJG/NCJG GLASS FRT JUMBO ISLAND FF & IC MERCHANDISER  
 NFJGE/NCJGE GLASS FRT JUMBO ISLAND FF & IC END MERCHANDISER  
 NTJG/NFMJG GLASS FRT JUMBO ISLAND SPLIT TEMP MERCHANDISER

120 VOLT ELECTRICAL DATA (AMPS)					
FT	STD. FANS	ECM FANS	ANTI-SWT	ANTI-SWT W/SUPER STRUCTR	HEATED GLASS
8	2.0	.8	3.8	4.9	1.3
12	3.0	1.2	5.0	6.6	2.0

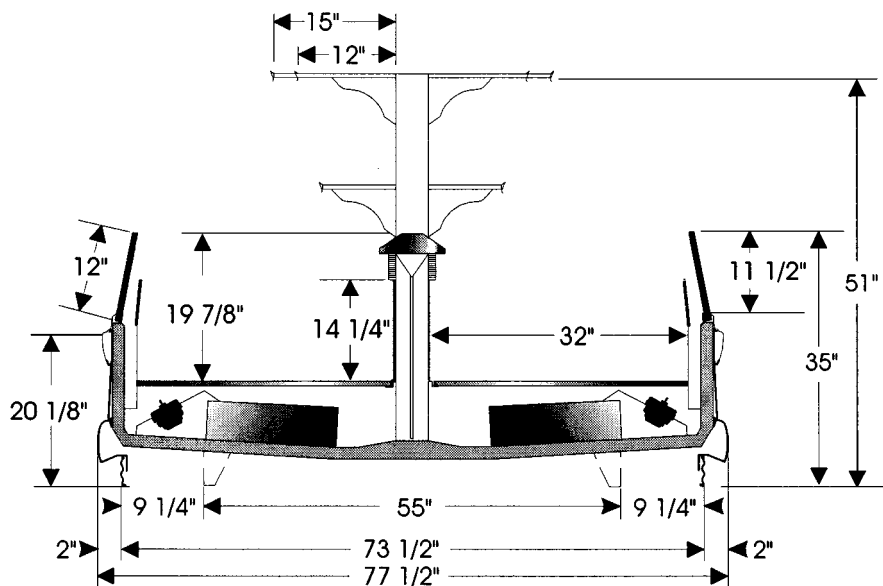
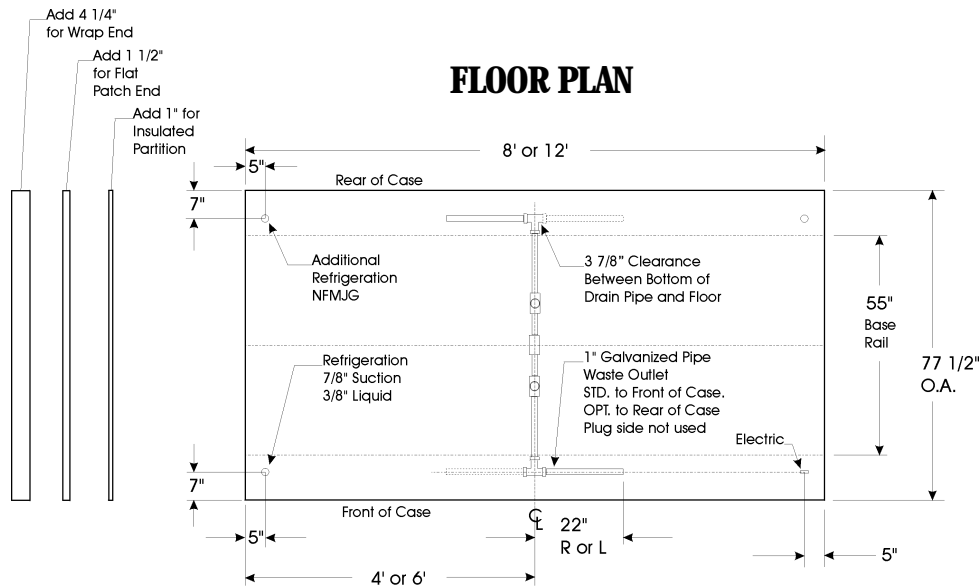
120 VOLT LIGHTING DATA	
FT	OPTIONAL SHELF LIGHTS PER ROW (AMPS)
8	2.0
12	3.0

NOTES FOR NFJG, NFMJG OR NTJG SPLIT TEMP OPERATIONS	
<b>FF/IC TEMP;</b> <b>(NTJG)</b>	1 side frozen food/ 1 side ice cream (must use synchronized defrost) (Frozen food 369 BTUH/FT @ -25F Evap. & Ice cream 448 BTUH/FT @ -35F Evap.)
<b>FF/MED TEMP;</b> <b>(NFJG/NFMJG)</b>	1 side frozen food/ 1 side medium temp. (must use synchronized defrost) (Frozen food 369 BTUH/FT @ -25F Evap. & Medium temp. 297 BTUH/FT @ +22F Evap.)
<i>These values are based on one foot of case, with each side of the case considered separately. Add the totals from both sides to calculate the load for the entire case.</i>	
<b>DEFROST WIRING:</b>	There are two heater circuits in each case. The heater wiring stubs out in the 208V raceway as two pairs of wires. Defrost circuits can therefore be wired as a single phase load or they can be wired as an unbalanced 3-phase load. The 3-phase defrost information is based on dividing the heater loads as evenly as possible across the phases.
<b>NOTE:</b>	Optional shelving superstructures with lights have the same electrical requirements per row of lights as the amps shown. A separate electrical supply for the superstructure lights must be provided since there is no plug in from the superstructure to the case.
<b>TWIN-TEMP NOTES:</b>	The NTJG & NFMJG both have split refrigeration coils with dual refrigeration stub-ups. The NTJG model has two electric defrost heaters per side and can be used for twin temp by using separate refrigeration systems on each coil. The NFMJG has one electric defrost heater per side and can be used for medium temp on one side and frozen food on the other.
	Disconnect the heated glass when using this case at medium temp operation. Cases with dual temp controls will do this automatically.

END CASE ELECTRICAL AND REFRIGERATION DATA							
MODEL	USE	BTUH REQUIRED	120V FANS (AMPS)		120V ANTI-SWEAT (AMPS)	208V DEFROST (AMPS)	120V DRN HTR (AMPS)
			STD	ECM			
NFJGE	FF	3120 @ -25F	1.0	.4	2.9	8.6	.1
NCJGE	IC	4080 @ -35F	1.0	.4	2.9	8.6	.1
NFJGE	MED	2600 @ +15F	1.0	.4	2.9	8.6	.1

**ADD 0.4 amps** to the adjacent case for the End Case Superstructure Anti-Sweats. If the End Case Superstructure has lights, **ADD an additional 0.3 amps** to the adjacent case.

NFJG/NCJG GLASS FRT JUMBO ISLAND FF & IC MERCHANDISER  
 NFJGE/NCJGE GLASS FRT JUMBO ISLAND FF & IC END MERCHANDISER  
 NFMJG/NTJG GLASS FRT JUMBO ISLAND SPLIT TEMP MERCHANDISER



**END CASE FLOOR PLAN**

