

SPECIFICATION SHEET

• NFNX/NCNX SOLID FRONT NARROW ISLAND FF/IC/MED TEMP MERCHANDISERS • • NFNGX/NCNGX GLASS FRONT NARROW ISLAND FF/IC/MED TEMP MERCHANDISERS •

Refrigeration Data:

			CAPACITY (BTUH / FT)				DISCHAR	AVG. REF.	
MODEL	CASE LENGTH	CASE USAGE	PARALLEL	CONVENTIONAL	EVAPORATOR (°F)	UNIT SIZING (°F)	TEMPERATURE (°F)	VELOCITY (FPM)	CHARGE (LBS/FT)
NFNX	8', 12'	FROZEN	313*	327*	-25***	-28	-15	200****	028 [†]
NCNX	8', 12'	ICE CREAM	390*	400*	-35***	-38	-25	200****	028 [†]
NFNX	8', 12'	MED TEMP	314*	322*	+15***	+13	+22	200****	028 [†]
NFNGX	8', 12'	FROZEN	366*	382*	-25***	-28	-15	200****	028 [†]
NCNGX	8', 12'	ICE CREAM	456*	468*	-35***	-38	-25	200****	028 [†]
NFNGX	8', 12'	MED TEMP	367*	376*	+15***	+13	+22	200****	028 [†]

^{*} For sizing all refrigeration equipment other than TYLER, use conventional BTUH values.

Electrical Data:

Fans (120 Volt) and Optional T-8 Lighting with Electronic Ballasts (120 Volt)

				L FOR	TOTAL FOR		
	CASE	FANS /	STANDA	RD FANS	ECM FANS		
MODEL	LENGTH	CASE	AMPS	WATTS	AMPS	WATTS	
NFN(G)X/NCN(G)X	8'	2	0.68*	60.4*	0.44*	22.0*	
NFN(G)X/NCNGX	12'	3	1.02*	90.6*	0.66*	33.0*	

Heaters (120 and 208 Volt)

		ANT	I-SWEAT H	EATERS (12	20 V)	DEFROST	HEATERS	DRAIN PAN HEATER	
	CACE	DISCHARGE AIR		HEATED GLASS		(20	8 V)	(120V)	
MODEL	CASE LENGTH	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS
NFNX/NCNX	8'	1.80	216.0	N/A	N/A	6.6 / 13.8	1,373 / 2,870	N/A	N/A
NFNGX/NCNGX	8'	2.70	324.0	1.60	192.0	6.6 / 13.8	1,373 / 2,870	N/A	N/A
NFNX/NCNX	12'	2.40	288.0	N/A	N/A	10.3 / 20.6	2,142 / 4,285	N/A	N/A
NFNGX/NCNGX	12'	3.70	444.0	2.80	336.0	10.3 / 20.6	2,142 / 4,285	N/A	N/A

CASE CIRCUITS: In addition to a 208V defrost circuit, there is the 120V case fan circuit plus the 120V case anti-sweat circuit.

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.

^{**} BTUH rating is for entire end case.

^{***} Evaporator temperature is based on the saturated pressure leaving the case.

^{****} Air velocity is measured 60 minutes after defrost at the Discharge Air Ducts.

[†] Charges listed are per side on back-to-back cases. 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.



	208 VOLT DEFROST (AMPS)													
FEET	8	12	16	20	24	28	32	36	40	44	48	52	56	60
FF/MED 1 PH	6.6 TG-30	10.3 TG-30	13.8 TG-40	17.2 TG-50	20.6 TG-30	24.1 TG-40	27.5 TG-40	30.9 TG-40	34.3 TG-50	37.8 TG-50	41.2 TG-50	44.6 TG-50	N/A	N/A
FF/MED 3 PH	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	33.0 TG-3-50	36.0 TG-3-50
IC 1 PH	13.8 TG-30	20.6 TG-50	27.6 TG-40	34.4 TG-50	41.2 TG-50	(Separate circuit recommended due to high amp draw) N/A								
IC 3 PH	N/A	N/A	42.0 TG-3-30	30.0 TG-3-40	36.0 TG-3-50	30.0 TG-3-40	36.0 TG-3-50	36.0 TG-3-50	43.0 TG-3-50	30/36 TG-3-50/50	36/36 TG-3-50/50	36/30 TG-3-50/50	36/36 TG-3-50/50	N/A

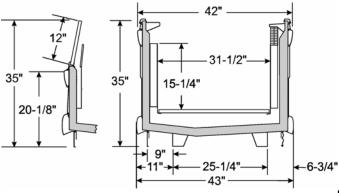
CASE-TO-CASE SUCTION LINE SUB-FEED BRANCH LINE SIZING														
FEET	8	12	16	20	24	28	32	36	40	44	48	52	56	60
R404A FF	5/8"	7/8"	7/8"	7/8"	7/8"	7/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"	1-3/8"	1-3/8"
R404A IC	7/8"	7/8"	7/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"
R22 MED	5/8"	7/8"	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"	1-3/8"	1-3/8"

Defrost Data:

		EPR SET	TINGS **			
DEFROST TYPE	DEFROSTS PER DAY	DURATION TIME (MIN)	TERMINATION TEMP. (°F)	R22 (PSIG)	R404A (PSIG)	DEFROST WATER (LB / FT / DAY)
ELECTRIC / FF	1	60	50	7	14	N/A
ELECTRIC / IC	1	36	50	3	8	N/A
ELECTRIC / MED	1	36	50	38	50	N/A
HOT GAS / FF	2-3	20-25	55*	7	14	N/A
HOT GAS / IC	1	25-30	55*	3	8	N/A
HOT GAS / MED	2-3	16-20	55*	38	50	N/A

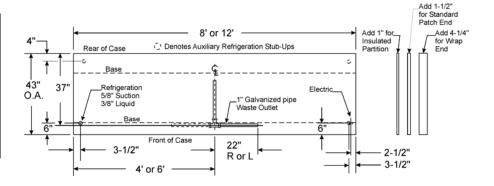
If an Electronic Sensor is used for termination, it should be set at 70°F termination temperature. Set EPR to give this pressure at the case.

NFNX/NCNX/NFNGX/NCNGX CROSS SECTION



FLOOR PLAN FOR NARROW ISLAND CASES

STUB-UP NOTE: One floor drain can serve up to two cases per drain. One electrical stub-up can serve a number of cases depending on the circuits required - utilizing the continuous wire raceway(s) on the front of the cases. One refrigeration stub-up can serve several or all cases on a line-up with case-to-case piping. Maximum 1 5/8" for case-to-case piping.



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