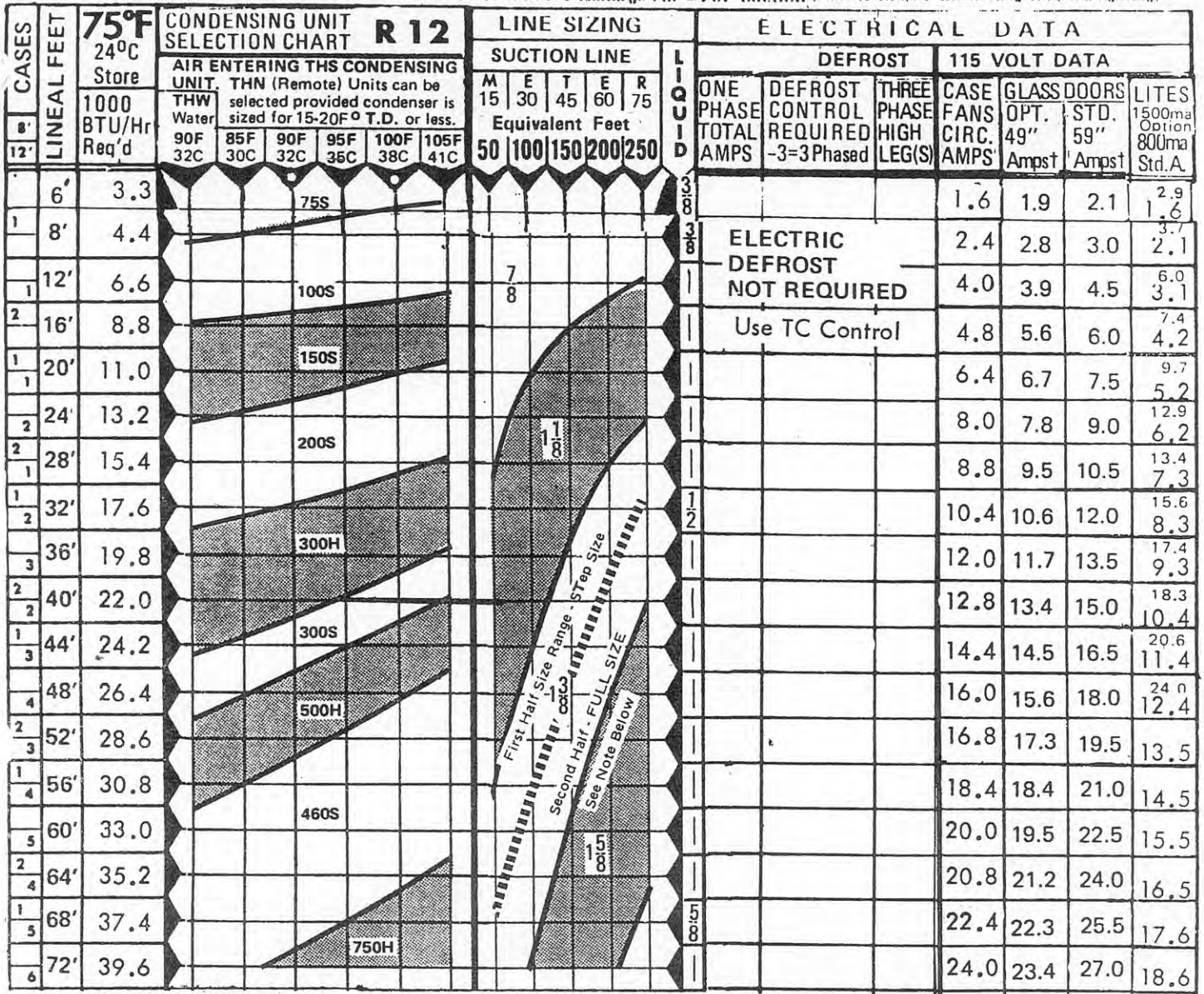


D5NG MEDIUM TEMP GLASS DOOR MERCHANDISERS

TYLER SPEC GUIDE SHEET

550 Btu/l. 301 Discharge Air @201 Suction (Add 92 Btu/l. when using 1500 ma lighting)



†ANTI-SWEAT HEAT. There is one circuit for all of the A-S heat on these cases. The mullions operate all of the time, but the electrically heated door frame circuit is wired so that a Tyler ES-4 energy saver control can be plugged in at the top of the case to cycle this heat off and on in response to store humidity. With no ES-4 control, a jumper plug completes the circuit.

ANNUAL COMPARATIVE OPERATING COST PER FOOT OF CASE (C.O.C.)

CASE	FANS	Opt. GLASS	Std.	LIGHTS	208V Defrost	Compressor Unit	TOTALS@1cKWH	CONTROL SETTINGS	DEFROST CONTROL	PER DAY MODE FAILSAFE	1 60 minute/Day	Off-Cycle Def.	PRESSURE
8'	1.83	2.83	3.24	1.35		5.92	\$11.83/12.34/Ft.						CUT IN 34"
12'	2.50W	238Wt 98Wc	274Wt 107Wc	255W		W/ES-4 Door Cycling	\$11.24/11.66/Ft.						CUT OUT 12-18"
		387Wt 161Wc	444Wt 185Wc	370W		NET SAVINGS	\$\$.59 or \$.68/Ft.						

Case Ft.x C.O.C."Cost"per year@1c/KWH. USE TOTALS TO COMPARE CASES & OPTIONS! Watts @115V. Opt. Front, 49" Doors, Std. Front, 59" Doors. ES-4 Door Heat Cycling Savings based on 50% off time of cyclable load. (Wt=total Watts, Wc=cyclable W.)

CASE BTUH REQUIREMENTS are calculated to produce approximately the indicated entering case air temp with operating ambient limits of 75F & 55%RH. SUCTION LINE SIZING: Select the point of intersection of the case line-up and the equivalent footage. Allow for all fittings in addition to actual line length. STEP SIZING is suggested for selections falling in the first half of a size range. Pipe one size smaller can be used on the 50' of the run closest to cases when entire run is 100 equivalent feet or more. LIQUID LINE SIZING is based on 5# pressure drop in 150' of line. See complete line size charts in front of the TYLER SPEC GUIDE BOOK.

The information contained herein is based on technical data and tests which we believe to be reliable and is intended for used 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. Printed in U. S. A.

TYLER Refrigeration Corporation
Niles, Michigan 49120

D-5

MEDIUM TEMP GLASS DOOR MDSE

SG0564

Repl. 5/87 Rev. 12/88

D5NG

D5FG GLASS DOOR MERCHANDISER FOR FROZEN FOOD

TYLER

SPEC GUIDE SHEET

650 Btu/h.Ft. @ -20°F Suction with -4°F Discharge Air.

(Add 92 Btu/Ft. when using 1500 ma lighting)

CASES	LINEAL FEET	75°F (24°C) Store 1000 Btu/hr Req'd	CONDENSING UNIT SELECTION CHART R502							LINE SIZING					ELECTRICAL DATA															
			AIR ENTERING THIS CONDENSING UNIT							SUCTION LINE					LIQUID	208 VOLT DEFROST			115 VOLT DATA											
			UNIT	THN (Remote) Units can be selected provided condenser is sized for 10-15°F T.D. or less.						M	E	T	E	R		ONE PHASE TOTAL AMPS	DEFROST CONTROL REQUIRED -3=3 Phased	THREE PHASE HIGH LEG(S)	CASE FANS CIRC. AMPS	GLASS DOORS OPT. 49" Amps†	STD. 59" Amps†	LITES 800ma STD.								
8'	12'		THW Water 90°F 32°C	85°F 30C	90°F 32C	95°F 35C	100°F 38C	105°F 41C	15	30	45	60	75	Equivalent Feet	50	100	150	200	250											
	6	3.9																		3/8	9.6	TG-30			1.6	3.4	3.9	*2.9	1.6	
1	8	5.2													7/8					13.0				** .9	2.4	5.0	5.7	3.7	2.1	
1	12	7.8													1 1/8					19.2				1.5	7.8	9.1	6.0	3.1		
2	16	10.4																		26.0	TG-40		23A	1.8	10.0	11.4	7.4	4.2		
1	20	13.0																		32.2	TG-3-30		28A	4.8	12.8	14.8	9.7	5.2		
2	24	15.6																		38.4	TG-3-40		34A	2.4	15.6	18.2	12.9	6.2		
2	28	18.2																			TG-50			3.0	19.6		13.4	7.3		
1	32	20.8																			TG-3-40		28A	3.3			15.6	8.3		
2	36	23.4																			TG-3-40		34A	3.9			17.4	9.3		
3	40	26.0																			TG-3-40		34A	4.5			18.3	10.4		
2	44	28.6																						4.8						
1	48	31.2																			TG-3-50		39A	5.4						
4	52	33.8																			TG-3-40-40		34/28	6.0				11.4		
3	56	36.4																			TG-3-40-40		34/34	16.0				12.4		
2	60	39.0																						6.3				13.5		
1	64	41.6																			ELECTRIC DEFROST ONLY!		34/23	16.8						
5	68	44.2																						6.9				14.5		
2	72	46.8																						7.5				15.5		
4																								7.8				16.5		
1																								8.4				17.6		
6																								9.0				18.6		

†ANTI-SWEAT HEAT: There is one circuit for all of the ant-sweat heat on these cases. The mullions are wired to operate all the time but the electrically heated door glass and door frame circuit is wired so a Tyler ES-4 energy saver control can be plugged in on top to the case, to cycle this heat off & on in response to store humidity. The drier the store air, the less energy used. If the ES-4 control is not used, a jumper plug in the receptacle on top of the case completes the circuit.

D5FG cases are suitable for Frozen Food or Ice Cream usage if properly machined. ELECTRIC DEFROST IS STANDARD. (208V amps x 1.06 = 220V amps) OPTIONAL GAS DEFROST IS AVAILABLE; CASE IS DESIGNATED D5FG(8 or 12)G when so equipped. The fan circuit powers drain pan heaters during defrost & does not exceed fan load. EXCEPT if HEF are used, 8' case=1.8A, 12' case=2.2A @115V

ANNUAL COMPARATIVE OPERATING COST PER FOOT OF CASE (C.O.C.)

CONTROL SETTINGS

CASE	FANS	Opt. GLASS Std.	LIGHTS	208V Defrost	Compressor Unit	TOTALS@1c/KWH	DEFROST CONTROL	PRESSURE
	1.83	7.05	8.10	1.35	1.22	10.59	\$22.04/23.09/Ft.	PER DAY MODE FAILSAFE
8'	150W	638Wt 288Wc	723Wt 333Wc	255W	2700W	W/ES-4 Door Cycling	\$20.34/21.14/Ft.	1 ELECTRIC 60
12'	250W	966Wt 466Wc	1109Wt 534Wc	370W	4000W	NET SAVINGS	\$ 1.70/\$ 1.95/Ft.	2 GAS DEFR. 26

Case Ft. x C.O.C. = "Cost" per year @ 1c/KWH. USE TOTALS TO COMPARE CASES & OPTIONS! Watts@115V. 208VA x 1.06=220VA *Opt. Front=49" Doors, Std. Front=59" Doors. ES-4 Door Heat Cycling Savings based on 50% off time of cyclable load. (Wt=total W. Wc=cyclable W.)

CASE BTUH REQUIREMENTS are calculated to produce approximately the indicated entering case air temp with operating ambient limits of 75F & 55°F RH. SUCTION LINE SIZING: Select the point of intersection of the case line-up and the equivalent footage. Allow for all fittings in addition to actual line length. STEP SIZING is suggested for selections falling in the first half of a size range. Pipe one size smaller can be used on the 50' of the run closest to cases when entire run is 100 equivalent feet or more. LIQUID LINE SIZING is based on 5# pressure drop in 150' of line. See complete line size charts in front of the TYLER SPEC GUIDE BOOK.

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TYLER

Refrigeration Corporation
Niles, Michigan 49120

LT-19

GLASS DOOR FROZEN FOOD CASE

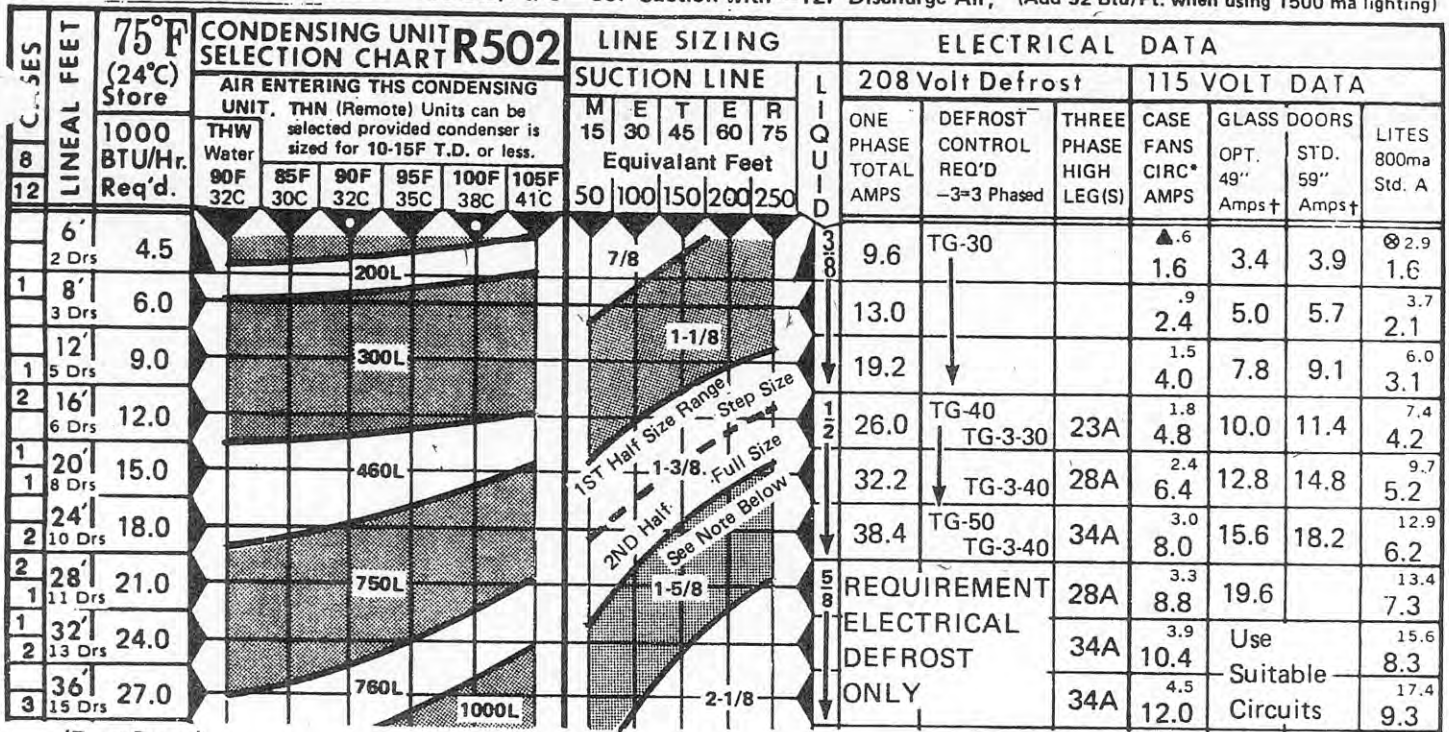
SG 00554

Repl. 5/87 Rev. 12/88

D5FG

D5FG GLASS DOOR MERCHANDISER FOR ICE CREAM

TYLER SPEC GUIDE SHEET 750 Btu/Ft. @ -30F Suction with -12F Discharge Air, (Add 92 Btu/Ft. when using 1500 ma lighting)



† ANTI-SWEAT HEAT: There is one circuit for all the anti-sweat heat on these cases. The mullions are wired to operate all of the time, but the electrically heated door glass and door frame is wired so a Tyler ES-4 energy saver control can be plugged in at the top of the case to cycle this heat off & on in response to store humidity. The drier the store air, the less energy is used. If the ES-4 control is not used, a jumper plug in the receptacle on top of the case completes the circuit.

OTHER CIRCUITS: a 115 volt fan circuit plus a 115 volt case light circuit are also required. Lights can be controlled from the back room or by the standard case light toggle switch.

D5FG cases are suitable for Frozen Food or Ice Cream usage as properly machined. ELECTRIC DEFROST IS STANDARD (208V amps x 1.06 = 220V amps). OPTIONAL GAS DEFROST AVAILABLE. Case designated D5FG (8 or 12)G when so equipped. The fan circuit powers drain pan heaters during defrost - does not exceed fan load, except if HEF motors are used. Size circuit using 1.8A for 8' and 2.2A for 12'.

NOTE: Thermostats & Liquid Solenoids are required for Ice Cream applications w/boosters to prevent running cases too cold.

SIX FOOT CASE NOTE: See Information on Page LT-20(D-6). Case is 64-1/4" Long - - 68-3/4" With Two Ends

High Efficiency Fan Motors (HEF) can save \$.91/Ft. in C.O.C. figures shown below

ANNUAL COMPARATIVE OPERATING COST PER FOOT OF CASE (C.O.C.)								CONTROL SETTINGS	
CASE	FANS	Opt. GLASS	Std.	LIGHTS	208V Defrost	Compressor Unit	TOTALS@1c/KWH	DEFROST CONTROL	PRESSURE
	1.83	7.05	8.10	1.35	1.22	\$13.69	\$25.14/26.18/Ft	PER DAY MODE FAILSAFE	CUT IN 18"
8'	150W	638 Wt 288 Wc	723 Wt 333 Wc	255W	2700W	W/ES-4 Door Cycling	\$23.44/24.23/Ft	1 ELECTRIC 60 2 GAS DEFR. 26	CUT OUT 8"
12'	250W	966 Wt 466 Wc	1109 Wt 534 Wc	370W	4000W	NET SAVINGS	\$1.70 or \$1.95/Ft.		

Case Ft x C.O.C. = "cost" per year @ 1c/KWH. USE TOTALS TO COMPARE CASES & OPTIONS! Watts @ 115V. 208 VA x 1.06 = 220VA
 *Opt. Front, 49" Doors - Std. Front, 59" Doors. ES-4 Door Heat Cycling Savings based on 50% off time of cyclable load. (Wt. = Total W./Wc = cyclable W.)

CASE BTUH REQUIREMENTS are calculated to produce approximately -12F entering case air temp with operating ambient limits of 75F & 55%RH. SUCTION LINE SIZING: Select the point of intersection of the case line-up and the equivalent footage. Allow for all fittings in addition to actual line length. STEP SIZING is suggested for selections falling in the first half of a size range. Pipe one size smaller can be used on the 50' of the run closest to cases when entire run is 100 equivalent feet or more. LIQUID LINE SIZING is based on 5# pressure drop in 150' of line. See complete line size charts in front of the TYLER SPEC GUIDE BOOK.

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Niles, Michigan 49120

LT - 18

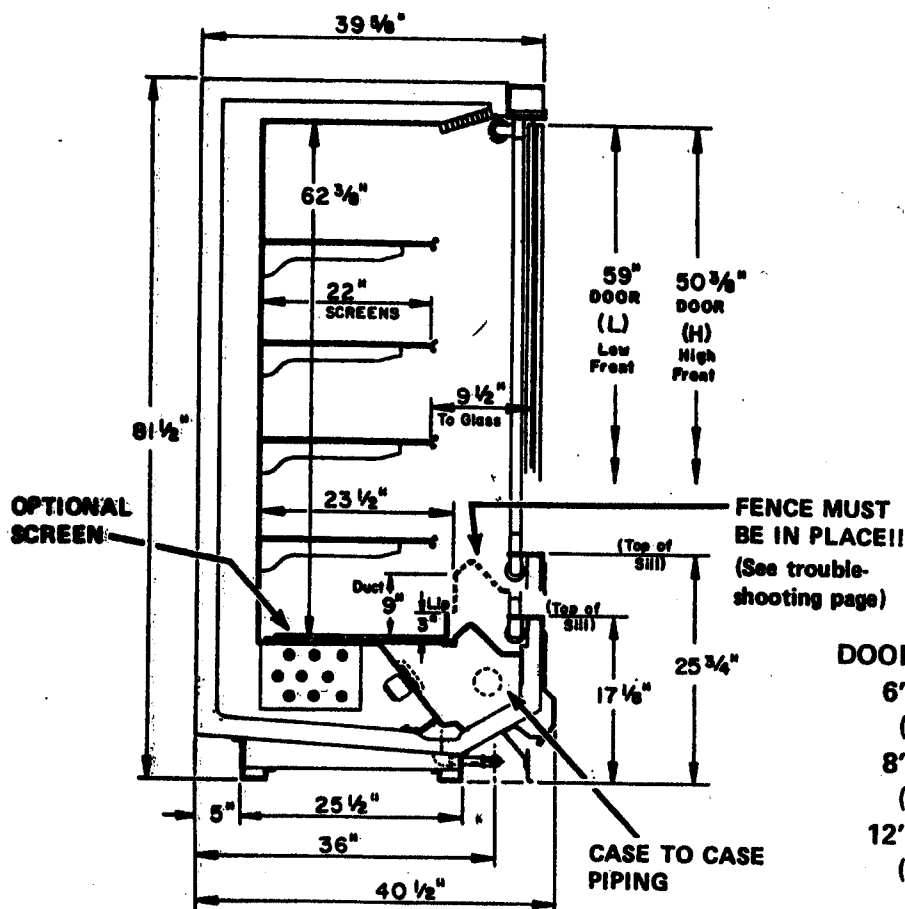
GLASS DOOR ICE CREAM CASE

SG 00556

Repl. 5/87 Rev. 12/88

D5FG

CASE CROSS SECTION AND FLOOR PLAN



CASE FEATURES

- **Removable Fan Panels**
- **Removable Front Ducts**
- **Ventilated Base Rails**
- **2 Horizontal Rows - 800 ma Lights Standard**
- **22" Powder Coated Wire Shelves**
- **Tempered, Full View, Heat Reflective Glass Doors**
- **Ample Space For Case to Case Piping**
- **1½" Diameter Cast-in Brass Drain - Fully Accessible**
- **Price Tag Moulding Standard**

DOOR WIDTHS:

- 6' Case - 31" Nominal**
(Clear opening - 28¾" Nominal)
- 8' Case - 31" Nominal**
(Clear opening - 28¾" Nominal)
- 12' Case - 28" Nominal**
(Clear opening - 25½" Nominal)

CROSS SECTION

**** CASE LENGTHS:**

- 6' CASES = 64½" LONG**
8' CASES = 96" LONG
12' CASES = 144" LONG
(Add 2½" for each patch end)

