

# MULTISHELF DAIRY/DELI CASE - DAIRY USAGE

for Produce 11/7/95.  
cut produce CHART #2 Carl

Tyler Refrigeration Corp.

6' Case = 1593 Btuh/Ft. @ +20°F Suction & +36°F Entering Air Temp.  
8 & 12' Cases = 1450 Btuh/Ft. @ +20°F Suction & +36°F Entering Air Temp.

CASE MODELS	LINEAL FEET	75°F (24°C) Store 1000 Btuh/hr Req'd.	CONDENSING UNIT SELECTION CHART R-22				LINE SIZING					ELECTRICAL DATA						
			AIR ENTERING THIS CONDENSING UNIT THN (Remote) Units can be Selected provided Cond is sized for 10-15F TD or less				SUCTION LINE					115V FANS		115V LIGHTS (See notes below)				
			85F 105F	90F	95F	100F	M	E	T	E	R	LIQUID	STD Fan Amps	OPT. H.E.F. Amps	STD 1Row CNPY 800ma	OPT 2Row CNPY 800ma	3 Row: 2 Cnpy 1 Nose 800ma	Shelf Lights Per Row
6	9.6					3/8"					3/8"	1.2	.7	1.3	2.1	2.4	.8	7.4
8	11.6					7/8"					1/2"	1.2	.7	1.3	2.1	3.4	.8	7.4
12	17.4											1.8	1.1	2.1	4.2	6.3	1.2	12.3
16	23.2											2.4	1.5	2.6	4.2	6.8	1.6	14.8
20	29.0											3.0	1.8	3.4	6.3	7.7	2.0	19.7
24	34.8											3.6	2.2	4.2	8.6	12.6	2.4	24.6
28	40.6											4.2	2.7	4.7	8.4	13.1	2.8	27.1
32	46.4											4.8	3.0	5.5	10.7	16.0	3.2	32.0
36	52.2											5.4	3.3	6.3	12.6	18.9	3.6	36.9
40	58.0											6.0	3.8	6.8	12.8	19.4	4.0	39.4
44	63.8											6.6	4.0	7.6	14.7	22.3	4.4	44.3
48	69.6											7.2	4.4	8.4	17.2	25.2	4.8	49.2
52	75.4											7.8	4.9	8.9	16.8	25.7	5.2	51.7
56	81.2											8.4	5.2	9.7	19.3	28.6	5.6	56.6
60	87.0											9.0	5.6	10.5	21.0	31.5	6.0	61.5

BTUH data shown is for cases with: 1 Row 800ma Canopy Lights, 5 Rows 430ma Lighted Shelves & 21" high front.  
 Additions or Reductions to BTUH includes: **Add** 50 Btuh/Ft. for Low Front option or **Deduct** 50 Btuh/Ft. for High Front option  
**Add** 40 Btuh/Ft. for optional 800ma Nose Lights. **Add** 20 Btuh/Ft. for optional 2 Row 800ma Canopy Lights  
**Deduct** 135 Btuh/Ft. when **NOT** using Lighted Shelves. \*\*Note: No deduction in Btu's is allowed when using unlighted 15" shelves (max. 2 rows in upper position). **MAX. LIGHT AMPS** includes: 2 Rows 800ma Canopy Lights + 5 Rows 430ma Shelf Lights + 1 Row 800ma Nose Lights.

OPTIONAL ELECTRIC DEFROST 208V-1-60 - 6' - 6.5 AMPS - 8' - 6.9 AMPS - 12' - 10.3 AMPS

Contact application engineering for assistance in selecting the proper "TG" defrost module.

### CHART #3

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

#### CONTROL SETTINGS (R-22)

CASE	Fans/HEF*	A/S Heat	Lights	208V Defrost	Condensing Unit	TOTALS††	DEFROST CONTROL			PRESSURE
							Per Day	Mode	Failsafe	
8'	\$1.10/.59		\$.67		\$13.57	\$15.34	4	Electric	36 Min.	Cut In: 51#
12'	100w/54w		140w		w/Opt.HEF Motors	\$14.83	4	Hot Gas	12-15 Min.	Cut Out: 33-42#
	150w/81w		185w		<b>NET SAVINGS</b>	<b>\$ .51</b>	4	Timed Off	60 Min.	

Case Ft. x C.O.C. = "Cost per Year" @ 1¢/KWH. USE TOTALS TO COMPARE CASES & OPTIONS! Watts @ 115V \*HEF = Hi-Efficiency Fans. ††@ 1¢/KWH

CASE BTUH REQUIREMENTS are calculated to produce approximately the indicated entering case air temp with absolute maximum 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 the 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 the cases when the entire run is 100 equivalent feet or more. **LIQUID LINE SIZING** is based on 5lb. 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 use by persons having technical skill, at their own discretion & 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 the U.S.A.

Tyler Spec Sheet

D-1

MULTI-SHELF DAIRY CASE

DDC(RL)

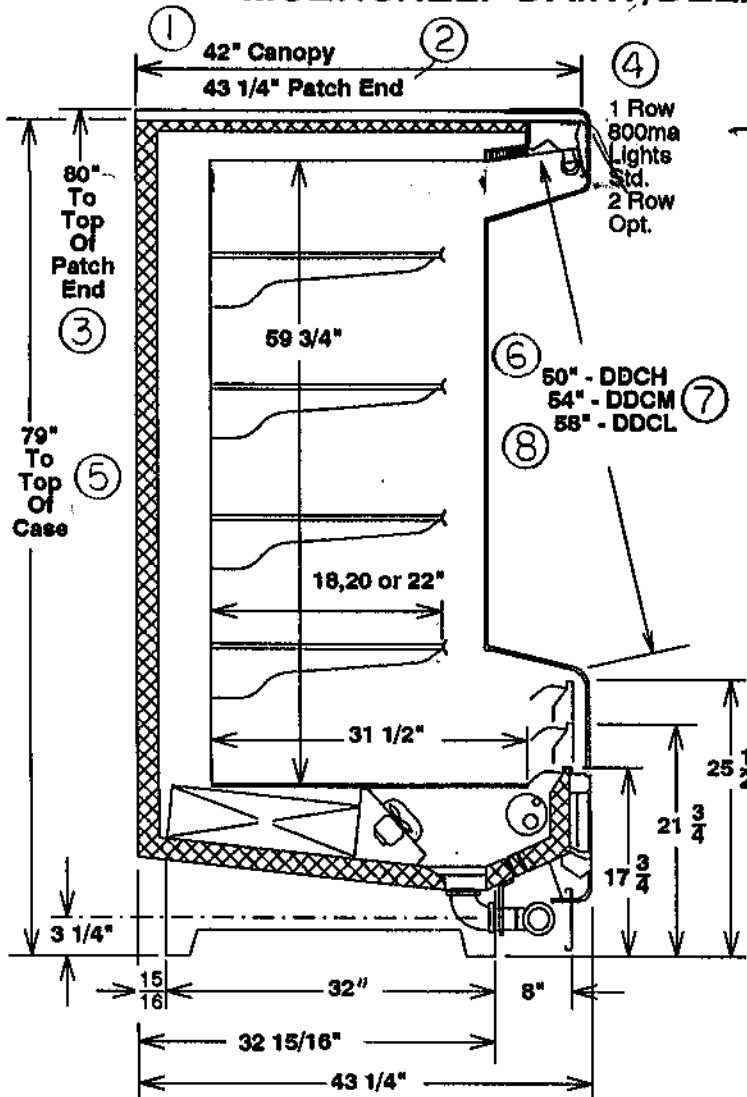
SG 00630

Repl. 1/92

Rev. 9/93

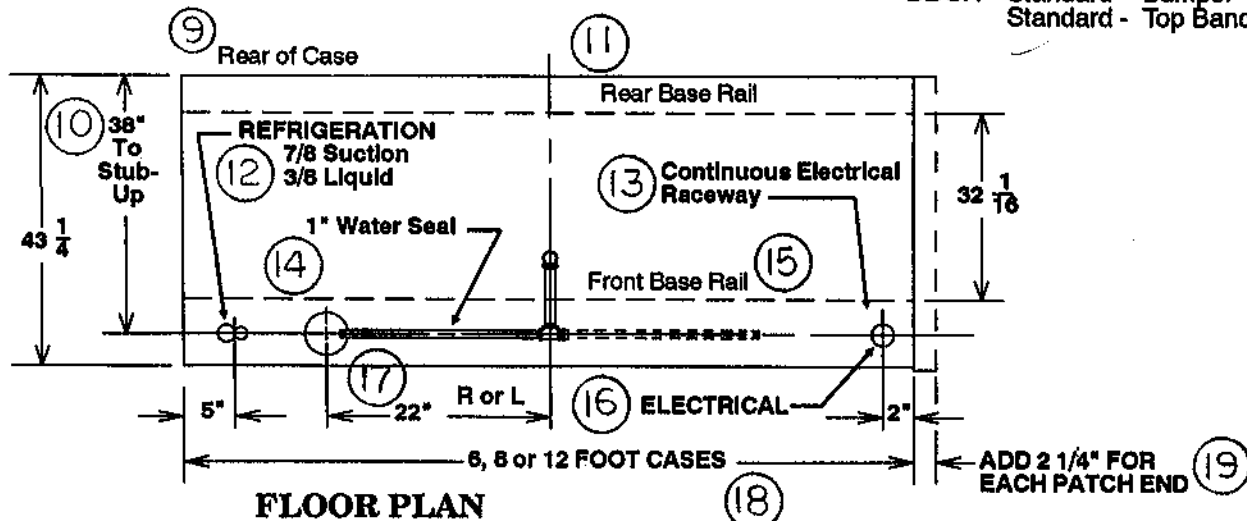
(Dairy)

# MULTISHELF DAIRY/DELI CASE - DAIRY USAGE



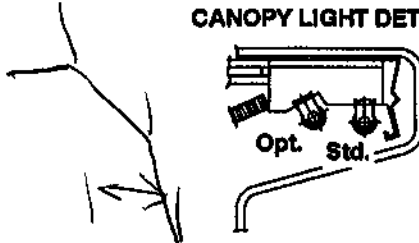
**CROSS SECTION**

NOTE: ALLOW 3" SPACE between the back of this case and the store wall, other cases or coolers to minimize possible condensation problems. FORCED VENTILATION may be necessary in some situations.



**FLOOR PLAN**

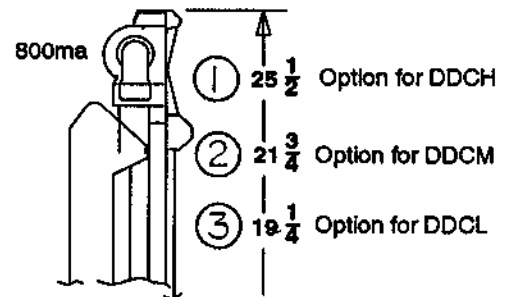
**CANOPY LIGHT DETAIL**



**SHELVING NOTES:**

Shelving widths available for these cases are 15", 18" and 22". When two sizes are used, the smaller must be used on top. 15" shelves without lights do not qualify for a case BTUH deduction. See Spec Sheet for other particulars.

**OPT. NOSE LIGHT DETAIL**



**Standard Front Heights (w/o Nose Light)**

- DDCL - 17 3/4" Front
- DDCM - 21 3/4" Front
- DDCH - 25 1/2" Front

**FRONTS**

- DDCL - Standard - No Bumper - (Optional)  
No Top Band - (Optional)
- DDCM - Standard - Bumper  
No Top Band - (Optional)
- DDCH - Standard - Bumper  
Standard - Top Band Painted

# MULTISHELF DAIRY/DELI CASE - DELI USAGE

CHART #2

Tyler Refrigeration Corp.

6' Case = 1851 BtuH/Ft. @ + 15°F Suction & + 32°F Entering Air Temp.  
8 & 12' Cases = 1650 BtuH/Ft. @ + 15°F Suction & + 32°F Entering Air Temp.

CASE MODELS	LINEAL FEET	75°F (24°C) Store 1000 BtuH/hr Req'd.	CONDENSING UNIT SELECTION CHART R-22					LINE SIZING					ELECTRICAL DATA								
			AIR ENTERING THE CONDENSING UNIT THN (Remote) Units can be Selected provided Cond is sized for 10-15F TD or less					SUCTION LINE					LIQUID	115V FANS		115V LIGHTS (See notes below)					
			85F 105F	90F	95F	100F		M	E	T	E	R		15	30	45	60	75	STD Fan Amps	OPT. H.E.F. Amps	STD 1Row CNPY 800ma
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12	19.8												5/8	1.8	1.1	2.1	4.2	6.3	1.2	12.3	
16	26.4												1 1/8	2.4	1.5	2.6	4.2	6.8	1.6	14.8	
20	33.0												1 1/4	3.0	1.8	3.4	6.3	7.7	2.0	19.7	
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36	59.4												1 7/8	5.4	3.3	6.3	12.6	18.9	3.6	36.9	
40	66.0												2	6.0	3.8	6.8	12.8	19.4	4.0	39.4	
44	72.6												2 1/8	6.6	4.0	7.6	14.7	22.3	4.4	44.3	
48	79.6												2 1/4	7.2	4.4	8.4	17.2	25.2	4.8	49.2	
52	85.8												2 1/2	7.8	4.9	8.9	16.8	25.7	5.2	51.7	
56	92.4												2 3/8	8.4	5.2	9.7	19.3	28.6	5.6	56.6	
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12'	150w/81w		185w		NET SAVINGS	\$ .51	4	Electric	36 Min.	51#
							4	Hot Gas	12-15 Min.	Cut Out:
							4	Timed Off	60 Min.	31-35#

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Tyler Spec Sheet

D-3

MULTI-SHELF DELI CASE

DDC(RL)

SG 00632

Repl. 1/92

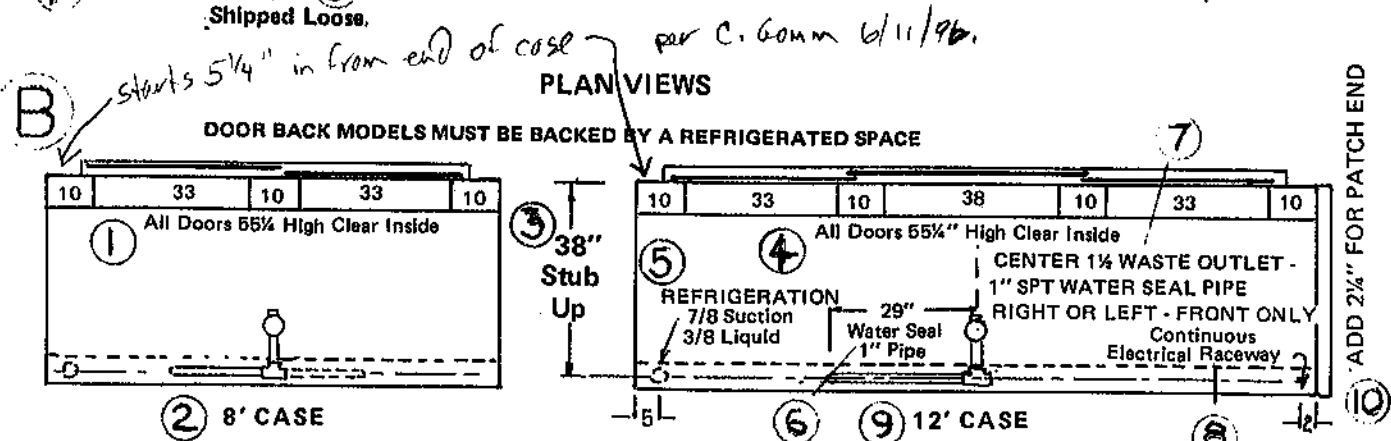
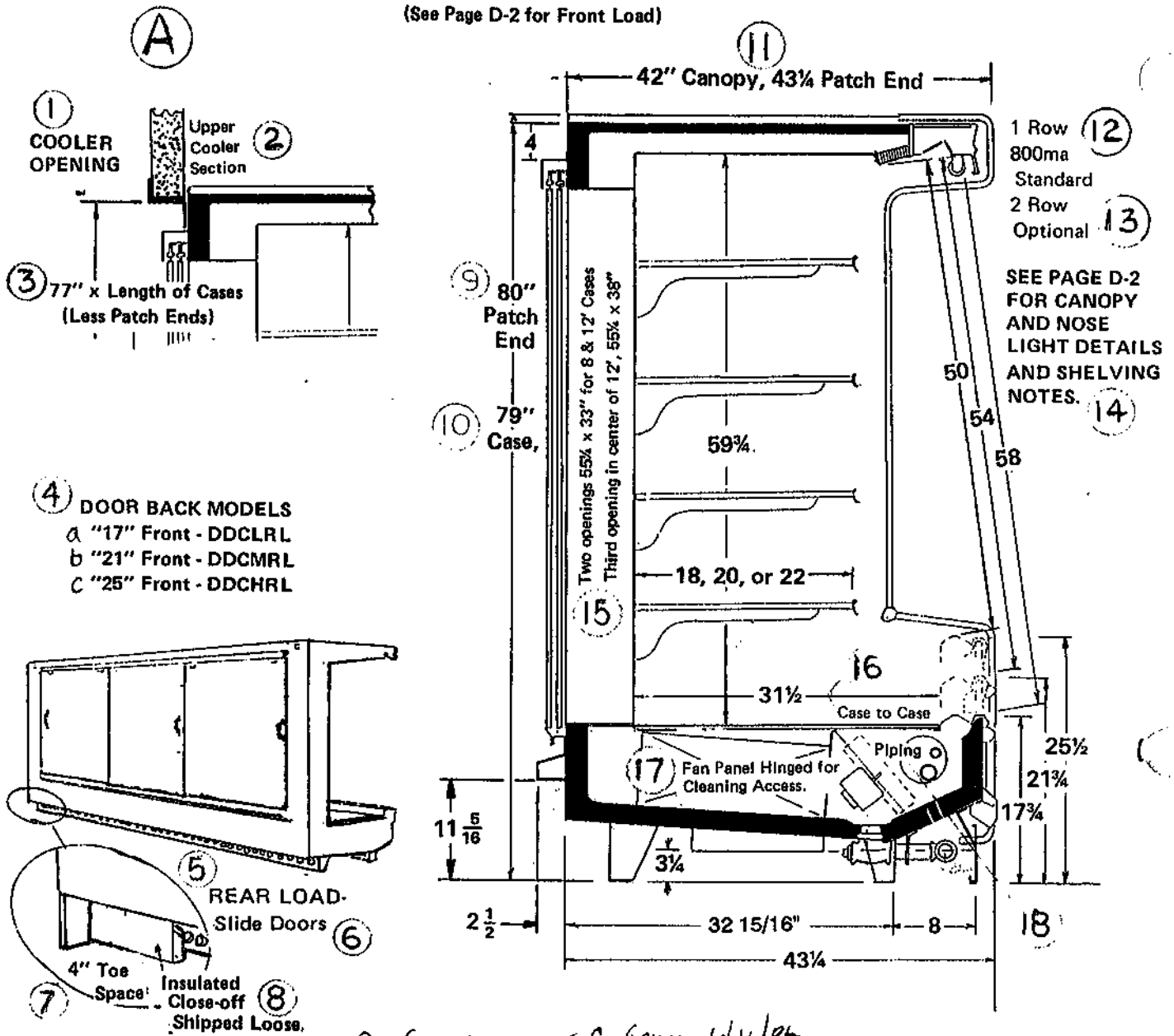
Rev. 9/93

(Deli)

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# REAR LOAD DAIRY-DELI CASE CROSS SECTION

(See Page D-2 for Front Load)



ALLOW 3" SPACE between the back of the case and store walls, other cases, or coolers to minimize possible condensation problems. FORCED VENTILATION could be necessary in some situations.