

MARK II AIR SKREEN FOR DAIRY APPLICATIONS

**TYLER** SPEC GUIDE SHEET

(Front or Rear Load)

BTUH DATA AT 20 °F. SUCTION TEMPERATURE

CASES LINEAL FEET	75°F 24°C Store 1000 BTU/Hr Req'd	CONDENSING UNIT SELECTION CHART <b>R 12</b>						LINE SIZING					ELECTRICAL DATA							
		AIR ENTERING THIS CONDENSING UNIT: THN (Remote) Units can be selected provided condenser is sized for 15-20° T.D. or less.						SUCTION LINE					OPT. 208V DEFROST			115 VOLT DATA				
		THW Water	90F 32C	85F 30C	90F 32C	95F 35C	100F 38C	105F 41C	M 15	E 30	T 45	E 60	R 75	ONE PHASE TOTAL AMPS	DEFROST CONTROL REQUIRED -3=3 Phased	THREE PHASE HIGH LEG(S)	FAN CIRC. ONLY AMPS	STD. Can'py Light AMPS	OPT. Can'py Light AMPS	MAX. 7 Row LIGHT AMPS
1	8'	12.5																		
1	12'	18.5																		
2	16'	24.5																		
1	20'	30.5																		
2	24'	36.5																		
2	28'	42.5																		
1	32'	48.5																		
3	36'	54.5																		
2	40'	60.5																		
1	44'	66.5																		
4	48'	72.5																		
2	52'	78.5																		
1	56'	84.5																		
5	60'	90.5																		
2	64'	96.5																		
1	68'	102.5																		
6	72'	108.5																		
2	76'	114.5																		

**LIGHTING:** Standard one row of High Power Factor (HPF) lights in canopy, optional two row. One to five rows of lighted shelves optional in case. Each row in 8' case = 1.0A, 12' = 1.5A. Optional-Nose Lights in DAS-H Cases (24" Front). Add .8A for 8', 1.3A for 12'.

**OPTIONAL AIR DEFROST IS AVAILABLE** and is recommended for faster, no cost defrosting. Also for energy savings in that the reversible fan motors utilized are more efficient! 8' case fan circuit - .6 amps, 54 watts. 12' case fan circuit - .9 amps, 81 watts.

MONTHLY SPECIFIC OPERATING COST PER FOOT OF CASE (S.O.C.)

CONTROL SETTINGS

	COND. UNIT	CASE	LIGHTS*	208V Defrost	TOTAL@1c/KWH	DEFROST CONTROL		PRESSURE CONT'L
						4	60 Minutes Failsafe Or Timer Setting	
	\$1.097	.081	.083	.054 OPT.	\$1.261/Ft.			CUT IN 26# R12
8' PANS	90W	--	90W	184W	1432W	Length (Ft.) Times S.O.C. = Cost per Month @1C/KWH.	Defrosts per Day	40# Pressure Reset If TP is Used
12' PANS	135W	--	135W	276W	2150W			

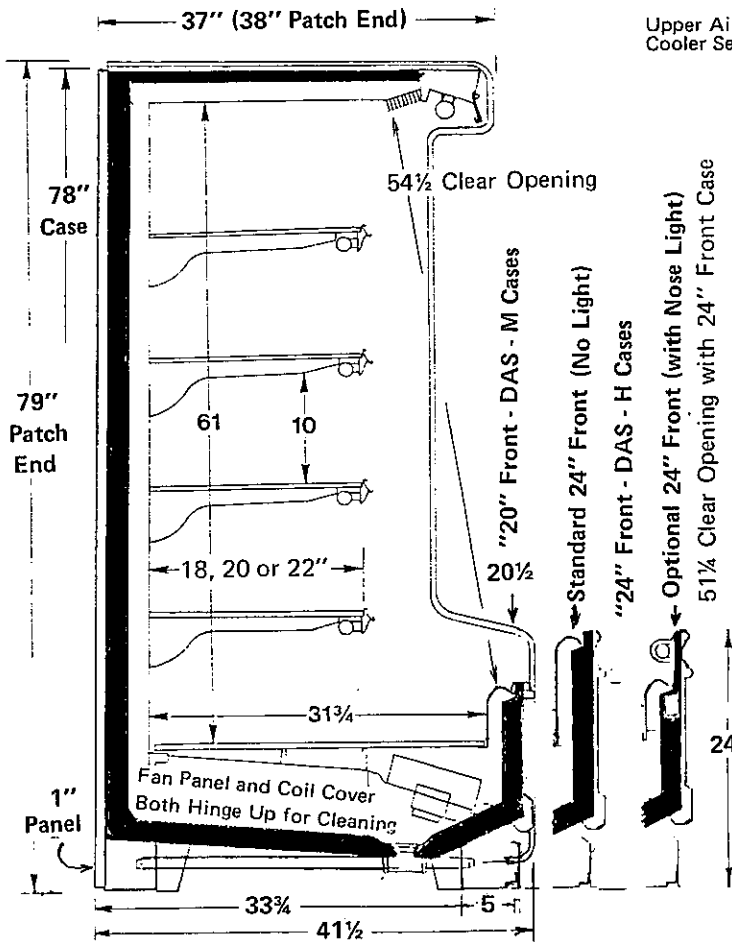
Actual Watts@115V \*Optional 2 Row Canopy Lights MULTIPLY 208V AMPS BY 1.06 TO CALCULATE 220V AMPS.

**CASE BTUH REQUIREMENTS** are calculated to produce approximately +33F 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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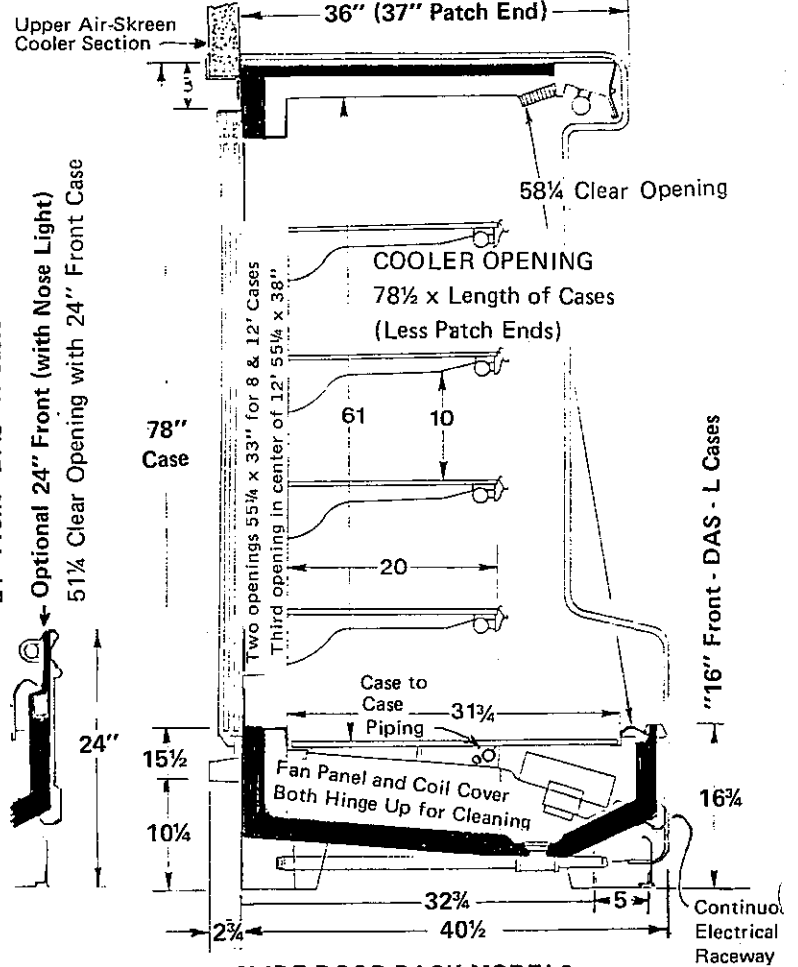
MARK II AIR SKREEN FOR DAIRY OR DELI APPLICATIONS

SOLID BACK CASE (FRONT LOAD)



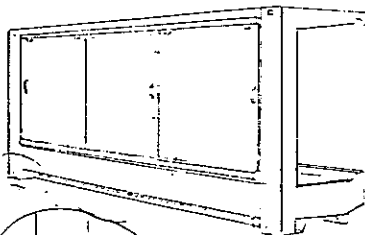
SOLID BACK MODELS  
 "16" Front - DAS-L  
 "20" Front - DAS-M  
 "24" Front - DAS-H

SLIDE DOOR CASE (REAR LOAD)



SLIDE DOOR BACK MODELS  
 "16" Front - DAS-LS  
 "20" Front - DAS-MS  
 "24" Front - DAS-HS

SLIDE DOOR CASES butt against the Walk-In Cooler opening. If cases are to be recessed, cooler sections must be specially cut for the application.



REAR LOAD - Slide Doors  
 DAS-S

PLUGGED ACCESS HOLE  
 3 3/8" Dia

1 1/4" Toe Space

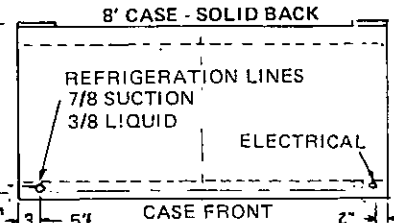
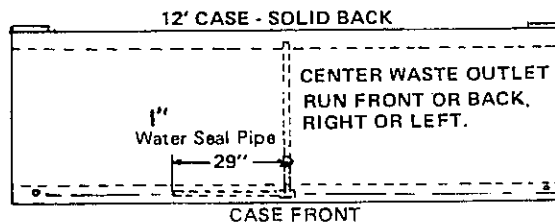
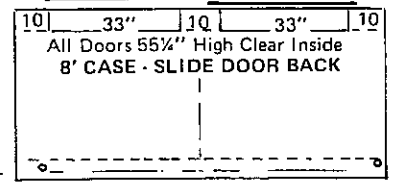
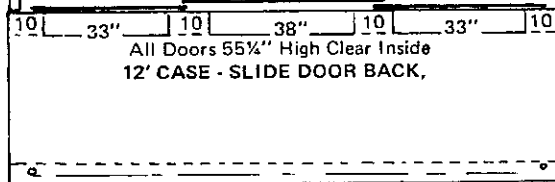
INSULATED CLOSE-OFF SHIPPED LOOSE

11 1/4" - 1"

FRONT LOAD - DAS

CASE PLAN VIEWS  
 Doors Extend 2" Back of Case

DOOR BACK MODELS MUST BE BACKED BY A REFRIGERATED SPACE



# MARK II AIR SKREEN FOR DELI APPLICATIONS

**TYLER** SPEC GUIDE SHEET

(Front or Rear Load)

BTUH DATA AT 15°F. SUCTION TEMPERATURE

CAGES	LINEAL FEET	CONDENSING UNIT R12					LINE SIZING					ELECTRICAL DATA							
		75°F					SUCTION LINE					OPT 208V DEFROST		115 VOLT DATA					
		24°C Store	1000 BTU/Hr Req'd	THW Rating	AIR ENTERING THIS CONDENSER. THN(Remote)Units can be selected provided condenser is sized for 15-20°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)	FAN CIRC. ONLY AMPS	STD. Can'py Light Amps	OPT. Can'py Light AMPS	MAX. 8 Row LIGHT AMPS
		85F	90F	95F	100F	105F	50	100	150	200	250								
		32C	30C	32C	35C	38C	41C												
1	8'	13.2																	
1	12'	19.6																	
2	16'	26.0																	
1	20'	32.4																	
2	24'	38.8																	
1	28'	45.2																	
2	32'	51.6																	
3	36'	58.0																	
2	40'	64.4																	
1	44'	70.8																	
4	48'	77.2																	
2	52'	83.6																	
3	56'	90.0																	
5	60'	96.4																	

**LIGHTING:** Standard one row of High Power Factor (HPF) Lights in canopy, optional two row. One to five rows of lighted shelves optional in case. Each row in 8' case = 1.0A, 12' = 1.5A. Optional Nose Lights in DAS-H (24" Front). Add .8A for 8', 1.3A for 12';

**NOTE:** Case requirements are determined at 15°F for this case.

**OPTIONAL AIR DEFROST IS AVAILABLE** and is recommended for faster, no cost defrosting. Also for energy savings in that the reversible fan motors utilized are more efficient! 8' case fan circuit - .6 amps, 54 watts. 12' case fan circuit - .9 amps, 81 watts.

MONTHLY SPECIFIC OPERATING COST PER FOOT OF CASE (S.O.C.)						CONTROL SETTINGS		
	COND. UNIT	CASE	LIGHTS*	208V Defrost	TOTAL@1c/KWH	DEFROST CONTROL		PRESSURE CONT'L
	\$1.234	.081	.083		\$1.317/Ft.	4	60 Minutes Failsafe Or Timer Setting	CUT IN 26# R12
8' FANS	90W	90W	184W		Length (Ft.) Times S.O.C.=Cost per Month@1C/KWH.	Defrosts per Day	40# Pressure Reset If TP is Used	CUT OUT 13-16#
12' FANS	135W	135W	276W					

Actual Watts@115V      \*Optional 2 Row Canopy Lights      MULTIPLY 208V AMPS BY 1.06 TO CALCULATE 220V AMPS.

**CASE BTUH REQUIREMENTS** are calculated to produce approximately +31F 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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