HEATCRAFT EVAPORATOR SELECTION

Air Side

LU	VATA
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GIVEN DATA

Construction

Item:	DXM5-1	Air Flow (Sft^3/min)	9,000
Coils Per Bank:	1	Altitude ft:	.00
Tube OD IN:	5/8	Ent. Air DB/WB ℉:	95.00 / 78.00
Style:	EJ	Lvg. Air DB/WB ֏:	.00 / .00
Fins Per Inch:	Optimize	Total / Sensible MBH:	360.0 / .00
Rows:	Optimize	Max Air PD "H2O:	.00
Fin Surface:	Optimize ABC		
Fin Height (IN):	55.50	Refrigerant Side	
Finned Length (IN):	67.00	Refrigerant:	410A
Tubing Mat. (IN):	0.020 Copper	Super Heat °F:	8.00
Fin Mat. (IN):	0.0075 Aluminum	Saturated Suction Temp F:	45.00
Circuiting:	Optimize	Liquid Temp °F:	110.0
Face Area (SQ FT):	25.82		

OUTPUT DATA			Most Economica	I	Specified Coil			
		Coil 1	🖌 Coil 2	Coil 3	Coil 4	Coil 5	Coil 6	
Model Number:			5EJ0603B					
Air Velocity:	(Sft/min)		348.5					
Total Capacity:	MBH		399.6					
Sens. Capacity:	MBH		221.3					
Lvg. Air DB:	۴		72.24					
Lvg. Air WB:	۴		67.09					
Standard APD	"H2O		.12					
Code 18 / 19:			8018/17					
Suction Conn.:	IN		(2) 2.125					
Liquid Conn 1:	IN		(2) 1.125					
Liquid Conn 2:	IN		N/A					
Refg. PD:	lbf/in^2		1.67					
Refg. Velocity:	ft/min		1,162					
Weight:	lbm		233.7					
Notes:			BCJKMQ					

Notes:

B) Rated In Compliance With ARI 410.

C) Coil Not Within Certified ARI Directory.

J) Coil Will Be Supplied With Multiple Distributors.

K) Special Circuiting, Dead Tubes May Be Required, Consult Factory. M) Coil rating valid for Heatcraft coils only.

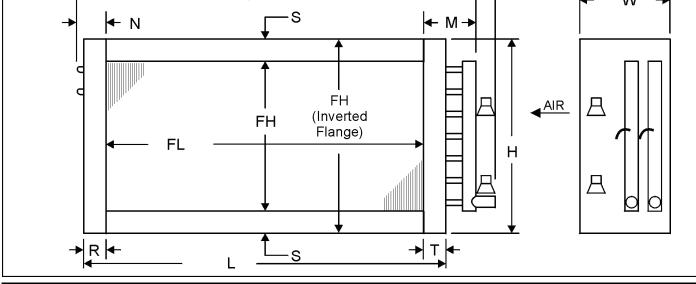
Q) If evaporator is used in a heatpump application, change tubing material to 5/8 Stainless Steel or 5/8 Carbon Steel or select a 3/8 OD coil.

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HEATCRAFT CERTIFIED DRAWING

Customer:		Date:	9/29/2009
Contact:		From:	
Telephone:		Company:	
Cell:		Return Tel:	
Fax:		Return Fax:	
Job:			
Quote #:	0		

				Μ	MODEL NUMBER				
ITEM		TYPE	FPI	ROW	S FIN	FH (IN)	FL (IN)	HAI	ND
5-1	1	5EJ 06 03 B 55.50 67.00		Left					
OF CONSTRUCTI	ON					OPTIONS			
0.0075 Alumir	num	Coating			None		Nitrogen	Charge	No
0.020 Copper		Casing	-				Moisture	Moisture Elimnator	
Galvanized S	teel	Bypass Kit Size			None		Mounting	Mounting Holes	
Copper		Distributor Location		ation			Label Kit	Label Kit	
Sweat		Distributor Tube		0.3125					
2.125/1.375		Nozzle	Number		15				
		Number	r of Circu	uits	18				
		I —				▶ J ◄	<u> </u>	LEFT HA	ND
	5-1 DF CONSTRUCTI 0.0075 Alumin 0.020 Copper Galvanized S Copper Sweat	5-1 1 DF CONSTRUCTION 0.0075 Aluminum 0.020 Copper Galvanized Steel Copper Sweat	5-1 1 5EJ DF CONSTRUCTION 0.0075 Aluminum Coating 0.020 Copper Casing Galvanized Steel Bypass Copper Distribu Sweat Distribu 2.125/1.375 Nozzle	5-1 1 5EJ 06 DF CONSTRUCTION 0.0075 Aluminum Coating 0.020 Copper Casing Type Galvanized Steel Bypass Kit Size Copper Distributor Loca Sweat Distributor Tube 2.125/1.375 Nozzle Number	QTY TYPE FPI ROW 5-1 1 5EJ 06 03 DF CONSTRUCTION Coating I Coating I 0.0075 Aluminum Coating I 1 5EJ 1 1 0.0020 Copper Casing Type I I 1 <td< td=""><td>QTY TYPE FPI ROWS FIN 5-1 1 5EJ 06 03 B 5-1 1 5EJ 06 03 B DF CONSTRUCTION Coating None 0.0075 Aluminum Coating Type Flanged 0.020 Copper Casing Type Flanged Galvanized Steel Bypass Kit Size None Copper Distributor Location 5 Sweat Distributor Tube 0.3125 2.125/1.375 Nozzle Number 15</td><td>QTY TYPE FPI ROWS FIN FH (IN) 5-1 1 5EJ 06 03 B 55.50 DF CONSTRUCTION OPTIONS 0.0075 Aluminum Coating None OPTIONS 0.020 Copper Casing Type Flanged Flanged Galvanized Steel Bypass Kit Size None Copper Distributor Location 0.3125 Sweat Distributor Tube 0.3125 2.125/1.375 Nozzle Number 15</td><td>QTY TYPE FPI ROWS FIN FH (IN) FL (IN) 5-1 1 5EJ 06 03 B 55.50 67.00 DF CONSTRUCTION OPTIONS 0.0075 Aluminum Coating None Nitrogen 0.020 Copper Casing Type Flanged Moisture Galvanized Steel Bypass Kit Size None Mounting Copper Distributor Location Label Kit Label Kit Sweat Distributor Tube 0.3125 Label Kit 2.125/1.375 Nozzle Number 15 15</td><td>QTY TYPE FPI ROWS FIN FH (IN) FL (IN) HAI 5-1 1 5EJ 06 03 B 55.50 67.00 Lee DF CONSTRUCTION OPTIONS 0.0075 Aluminum Coating None Nitrogen Charge 0.020 Copper Casing Type Flanged Moisture Elimnator Galvanized Steel Bypass Kit Size None Mounting Holes Copper Distributor Location Label Kit Sweat Distributor Tube 0.3125 Label Kit 2.125/1.375 Nozzle Number 15 Lee Number of Circuits 18 LEFT HA</td></td<>	QTY TYPE FPI ROWS FIN 5-1 1 5EJ 06 03 B 5-1 1 5EJ 06 03 B DF CONSTRUCTION Coating None 0.0075 Aluminum Coating Type Flanged 0.020 Copper Casing Type Flanged Galvanized Steel Bypass Kit Size None Copper Distributor Location 5 Sweat Distributor Tube 0.3125 2.125/1.375 Nozzle Number 15	QTY TYPE FPI ROWS FIN FH (IN) 5-1 1 5EJ 06 03 B 55.50 DF CONSTRUCTION OPTIONS 0.0075 Aluminum Coating None OPTIONS 0.020 Copper Casing Type Flanged Flanged Galvanized Steel Bypass Kit Size None Copper Distributor Location 0.3125 Sweat Distributor Tube 0.3125 2.125/1.375 Nozzle Number 15	QTY TYPE FPI ROWS FIN FH (IN) FL (IN) 5-1 1 5EJ 06 03 B 55.50 67.00 DF CONSTRUCTION OPTIONS 0.0075 Aluminum Coating None Nitrogen 0.020 Copper Casing Type Flanged Moisture Galvanized Steel Bypass Kit Size None Mounting Copper Distributor Location Label Kit Label Kit Sweat Distributor Tube 0.3125 Label Kit 2.125/1.375 Nozzle Number 15 15	QTY TYPE FPI ROWS FIN FH (IN) FL (IN) HAI 5-1 1 5EJ 06 03 B 55.50 67.00 Lee DF CONSTRUCTION OPTIONS 0.0075 Aluminum Coating None Nitrogen Charge 0.020 Copper Casing Type Flanged Moisture Elimnator Galvanized Steel Bypass Kit Size None Mounting Holes Copper Distributor Location Label Kit Sweat Distributor Tube 0.3125 Label Kit 2.125/1.375 Nozzle Number 15 Lee Number of Circuits 18 LEFT HA



	DIMENSIONAL DATA(IN)										
Н	I	J	L	М	Ν	R	S	Т	W	SJC	
58.50	76.00	6.00	70.00	5.75	3.25	1.50	1.50	1.50	7.50		

NOTES:

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GENERAL NOTES:

- 1. All dimensions are in inches.
- 2. Phenolic coated coils require a longer lead-time since they must be re-tested after coating.
- 3. .375 inch mounting holes will be provided on 6 inch centers from the centerline of the fin height and finned length. Not available when S < 0.75 inches.
- 4. The suction line should be connected to the lower connection on

4. The solution line should be connected to the local sector and the solution of the entering air side for counterflow operation. Copyright 2003 Luvata Grenada LLC Confidential and Proprietary. This design is for the exclusive and confidential use of Luvata Grenada LLC and its client. Any duplication made for the purpose of disclosing this design or any part of the design to a competitor of Luvata Grenada LLC is in direct violation of this confidentiality. Any duplication must be approved in writing by Luvata Grenada LLC. Page 36