

DESIGN CONDITIONS (INPUTS)					
Item/Description		MPU1 RH	MPU3-10 RH	MPU3-15 RH	MPU2-10 AC Reheat
Entering db	°F	55.8	55.8	55.8	55.8
Entering wb	°F	54.5	54.5	54.5	54.5
Air flow	cfm	625 (Std.)	2100 (Std.)	3000 (Std.)	2100 (Std.)
Air flow type		Standard	Standard	Standard	Standard
Altitude	ft				
Abs. pressure	psi				
Air flow orientation		Normal	Normal	Normal	Normal
Fluid name		R-410A	R-410A	R-410A	R-410A
Fluid state		Liquid	Liquid	Liquid	Liquid
Percent glycol					
Inlet tube pres.	psi	0	0	0	0
Entering fluid temp	°F	105	105	105	105
Tubeside flow rate	gal/min	1	1.7	1.7	1.7
Flow pattern		Counter	Counter	Counter	Counter
Tubeside fouling factor		0	0	0	0
CONSTRUCTION (INPUTS)					
Coil Code		188	10	5	5
Locale		0 - US, Grenada	0 - US, Grenada	0 - US, Grenada	0 - US, Grenada
Tube OD	in	3/8	1/2	1/2	1/2
Tube pattern	in	1.000 x 0.750	1.500 x 1.299	1.250 x 1.083	1.250 x 1.083
Fin style		Raised Lance	Sine Wave	Raised Lance	Raised Lance
Fin spacing	/in	13	13	12	12
Rows		1	1	1	1
Fin height	in	12	24	30	20
Finned length	in	27	42	42	36
Coils in bank		1	1	1	1
Fin material	in	0.0045 Aluminum	0.0060 Aluminum	0.0045 Aluminum	0.0045 Aluminum
Tube wall	in	0.013	0.016	0.016	0.016
Tube insert		None	None	None	None
Fin coating		None	None	None	None
Header OD	in	None	None	None	None
Conn. OD	in	None	None	None	None
Header length	in	0	0	0	0
Circuits		1	1	1	1
Qty tubes used		12	16	24	16
CALCULATIONS					
Model		3FZ1301T-12.00x27.00	4FZ1301H-24.00x42.00	4FZ1201D-30.00x42.00	4FZ1201D-20.00x36.00
Total capacity	Btu/hr	7,588	15,295	16,260	14,856
Sensible capacity	Btu/hr	7,588	15,295	16,260	14,856
Leaving db	°F	66.9	62.4	60.7	62.2
Leaving wb	°F	58.7	57.1	56.4	57
Leaving fluid temp.	°F	66.9	61.8	58.8	62
Tubeside dT	δ°F				
Face velocity	ft/min	278	300	343	420
Air pressure drop	in wg	0.047	0.054	0.079	0.108
Tubeside pd	ft H2O	3.97	5.14	8.23	4.8
Tubeside velocity	ft/s	3	3	3	2.9
Reynolds number		74113	97266	96189	95128
Qty tubes dropped		0	0	0	0
Run Time		07/10/2012 08:54:18	07/10/2012 08:54:46	07/10/2012 08:55:24	06/21/2012 10:35:20

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