Hourly Analysis Program v.4.1

Appendix C - HAP Output

Air System Information

Air System Name	AHU01 Sys
Equipment Class	
Air System Type	SZCAV

Sizing Calculation Information

Zone and Space Sizing	Method:
Zone CFM	Sum of space airflow rates
Space CFM	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	21.4	Tons
Total coil load		MBH
Sensible coil load	215.5	MBH
Coil CFM at Jul 1400	6138	CFM
Max block CFM	6138	CFM
Sum of peak zone CFM		CFM
Sensible heat ratio	0.837	
ft²/Ton		
BTU/(hr-ft²)		
Water flow @ 10.0 °F rise	N/A	

Central Heating Coil Sizing Data	
Max coil load	MBH
Coil CFM at Des Htg6138	CFM
Max coil CFM	CFM

Water flow @ 20.0 °F drop N/A

Supply Fan Sizing Data

Actual max CFM	6138	CFM
Standard CFM	6131	CFM
Actual max CFM/ft ²	6.09	CFM/ft ²

Design airflow CFM1000	CFM
CFM/ft ²	CFM/ft ²

Number of zones	1	
Floor Area	1008.2	ft²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at Jul 1400	
OA DB / WB	°F
Entering DB / WB 79.7 / 61.7	°F
Leaving DB / WB	°F
Coil ADP	°F
Bypass Factor	
Resulting RH42	%
Design supply temp. 47.0	°F
Zone T-stat Check 1 of 1	OK
Max zone temperature deviation	°F

Load occurs at Des Htg	
BTU/(hr-ft ²)	
Ent. DB / Lvg DB66.4 / 68.4	°F

Fan motor BHP	20.00	BHP
Fan motor kW	14.91	kW

CFM/person	CFM/person

Hourly Analysis Program v.4.1

10/29/2003 07:17AM

Air System Information

Air System Name	AHU02 Sys
Equipment Class	PKG ROOF
Air System Type	SZCAV

Sizing Calculation Information

Project Name: jxf_lab_mech2b_ACH Prepared by: psuae

Zone and Space Sizin	g Method:
Zone CFM	Sum of space airflow rates
Space CFM	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load		Tons
Total coil load	1027.1	MBH
Sensible coil load		MBH
Coil CFM at Jul 1600	12313	CFM
Max block CFM	12313	CFM
Sum of peak zone CFM	12190	CFM
Sensible heat ratio	0.554	
ft²/Ton		
BTU/(hr-ft²)		
Water flow @ 10.0 °F rise	N/A	

Central Heating Coil Sizing Data

Max coil load	8.8	MBH
Coil CFM at Des Htg 123	13	CFM
0		CFM
Water flow @ 20.0 °F drop N	I/A	

Supply Fan Sizing Data

Actual max CFM 12313	CFM
Standard CFM12300	CFM
Actual max CFM/ft ² 4.26	CFM/ft ²

Design airflow CFM 12190	CFM
CFM/ft ²	CFM/ft ²

Number of zones	1	
Floor Area	2888.2	ft²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at Jul 1600	
OA DB / WB	°F
Entering DB / WB	°F
Leaving DB / WB	°F
Coil ADP 43.6	°F
Bypass Factor	
Resulting RH	%
Design supply temp. 48.3	°F
Zone T-stat Check 1 of 1	
Max zone temperature deviation	°F

Load occurs at Des Htg	
BTU/(hr-ft ²)	
Ent. DB / Lvg DB11.6 / 64.9	°F

Fan motor BHP	20.00	BHP
Fan motor kW	14.91	kW

CFM/person	641.58	CFM/person
	041.00	Of M/person

Air System Information Air System Name Equipment Class Air System Type	PKG ROOF		Number of zones Floor Area
Sizing Calculation Informati Zone and Space Sizing Methor Zone CFM Space CFM Indiv	od: n of space airflow rates		Calculation Month Sizing Data
Central Cooling Coil Sizing Total coil load Total coil load Sensible coil load Coil CFM at Aug 1500	31.7 380.1 224.6	MBH MBH	Load occurs at OA DB / WB Entering DB / WB Leaving DB / WB
Max block CFM Sum of peak zone CFM Sensible heat ratio ft²/Ton BTU/(hr-ft²)	5796 5738 0.591 37.2	CFM	Coil ADP Bypass Factor Resulting RH Design supply ten Zone T-stat Check

Central Heating Coil Sizing Data	
Max coil load	MBH
Coil CFM at Des Htg	CFM

Water flow @ 10.0 °F rise N/A

Coil CFM at Des Htg	 СЕМ
Max coil CFM	 CFM
Water flow @ 20.0 °F drop	

Supply Fan Sizing Data

Project Name: jxf_lab_mech2b_ACH Prepared by: psuae

Supply I all Olzing Data		
Actual max CFM	'96	CFM
Standard CFM	'90	CFM
Actual max CFM/ft ² 4.	.92	CFM/ft ²

Design airflow CFM	CFM
CFM/ft ² 4.03	CFM/ft ²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at	Aug 1500	
OA DB / WB	92.0 / 75.0	°F
Entering DB / WB	38.5 / 72.6	°F
Leaving DB / WB	52.6 / 51.6	°F
Coil ADP	48.6	°F
Bypass Factor	0.100	
Resulting RH		%
Design supply temp.	46.9	°F
Zone T-stat Check	1 of 1	OK
Max zone temperature deviation	0.0	°F

Load occurs at	•	
Ent. DB / Lvg DB22.1 / 66	.2	°F

Fan motor BHP	15.00	BHP
Fan motor kW	11.19	kW

CFM/person	E02 E0	CEM/noroon
	J92.JU	Crivi/persor

AHU04 Sys
PKG ROOF
SZCAV

Sizing Calculation Information

Project Name: jxf_lab_mech2b_ACH Prepared by: psuae

Zone and Space Sizin	g Method:
Zone CFM	Sum of space airflow rates
Space CFM	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	31.1	Tons
Total coil load		MBH
Sensible coil load	221.9	MBH
Coil CFM at Jul 1600	5589	CFM
Max block CFM	5589	CFM
Sum of peak zone CFM		CFM
Sensible heat ratio	0.595	
ft²/Ton		
BTU/(hr-ft²)	328.2	
Water flow @ 10.0 °F rise	N/A	

Central	Heat	ting	Coil	Sizing	Data	

Max coil load	237.8	MBH
Coil CFM at Des Htg	5589	CFM
Max coil CFM	5589	CFM
Water flow @ 20.0 °F drop	N/A	

Supply Fan Sizing Data

Actual max CFM 5589	CFM
Standard CFM 5583	CFM
Actual max CFM/ft ² 4.92	CFM/ft ²

Design airflow CFM4170	CFM
CFM/ft ²	CFM/ft ²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at	
OA DB / WB	°F
Entering DB / WB	°F
Leaving DB / WB	°F
Coil ADP	°F
Bypass Factor	
Resulting RH	%
Design supply temp. 47.2	°F
Zone T-stat Check 1 of 1	OK
Max zone temperature deviation	°F

Load occurs at Des Htg	
BTU/(hr-ft ²)	
Ent. DB / Lvg DB26.4 / 65.9	°F

Fan motor BHP	15.00	BHP
Fan motor kW	11.19	kW

CFM/person	1.25	CFM/person
•		•

Appendix C - HAP Output

Air System Name	AHU05 Sys
Equipment Class	PKG ROOF
Air System Type	SZCAV

Sizing Calculation Information

Project Name: jxf_lab_mech2b_ACH Prepared by: psuae

Zone and Space Sizing	g Method:
Zone CFM	Sum of space airflow rates
Space CFM	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load		Tons
Total coil load		MBH
Sensible coil load		MBH
Coil CFM at Jul 1500		CFM
Max block CFM		CFM
Sum of peak zone CFM		CFM
Sensible heat ratio	0.627	
ft²/Ton		
BTU/(hr-ft²)		
Water flow @ 10.0 °F rise	N/A	

Central	Heating	Coil	Sizind	Data
oonnaa	nouting		OIL III S	Juliu

Max coil load	87.9	MBH
Coil CFM at Des Htg	2633	CFM
Max coil CFM	2633	CFM
Water flow @ 20.0 °F drop	N/A	

Supply Fan Sizing Data

Actual max CFM	2633	CFM
Standard CFM	2630	CFM
Actual max CFM/ft ²	3.03	CFM/ft ²

Design airflow CFM1600	CFM
CFM/ft ²	CFM/ft ²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at	1500	
OA DB / WB	/ 75.0	°F
Entering DB / WB	/ 69.3	°F
Leaving DB / WB	/ 48.9	°F
Coil ADP	46.1	°F
Bypass Factor	0.100	
Resulting RH	41	%
Design supply temp.		°F
Zone T-stat Check	1 of 1	OK
Max zone temperature deviation	0.0	°F

Load occurs at Des Htg	
BTU/(hr-ft ²)	
Ent. DB / Lvg DB	°F

Fan motor BHP	7.50	BHP
Fan motor kW	5.59	kW

CFM/person	CFM/person

Appendix C - HAP Output

Air System Information

Air System Name	AHU06 Sys
Equipment Class	PKG ROOF
Air System Type	SZCAV

Sizing Calculation Information

Zone and Space Sizing	wiethoa:
Zone CFM	Sum of space airflow rates
Space CFM	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	17.9	Tons
Total coil load	214.9	MBH
Sensible coil load 1	18.4	MBH
Coil CFM at Aug 1600	2424	CFM
Max block CFM	2424	CFM
Sum of peak zone CFM	2399	CFM
Sensible heat ratio).551	
ft²/Ton	45.1	
BTU/(hr-ft ²)	266.0	
Water flow @ 10.0 °F rise	. N/A	

Central Heat	ting Coil Sizing	J Data
Max coil load	d	

Max coil load	133.3	MBH
Coil CFM at Des Htg	2424	CFM
Max coil CFM	2424	CFM
Water flow @ 20.0 °F drop	N/A	

Supply Fan Sizing Data

Actual max CFM	2424	CFM
Standard CFM		CFM
Actual max CFM/ft ²		CFM/ft ²

Design airflow CFM	CFM
CFM/ft ²	CFM/ft ²

Number of zones	1	
Floor Area	807.9	ft²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at A	ug 1600	
OA DB / WB	.5 / 74.9	°F
Entering DB / WB	.5 / 74.9	°F
Leaving DB / WB 46	6.2 / 45.7	°F
Coil ADP	41.2	°F
Bypass Factor	0.100	
Resulting RH		%
Design supply temp.	47.4	°F
Zone T-stat Check		OK
Max zone temperature deviation	0.0	°F

Load occurs at Des Htg	
BTU/(hr-ft ²)	
Ent. DB / Lvg DB	°F

Fan motor BHP7.50	BHP
Fan motor kW	kW

CFM/person	CFM/person
01 W/pc13011	

Hourly Analysis Program v.4.1

Air System Information

Air System Name	AHU07 Sys
Equipment Class	PKG ROOF
Air System Type	SZCAV

Sizing Calculation Information

Project Name: jxf_lab_mech2b_ACH Prepared by: psuae

Zone and Space Sizing Method:		
Zone CFM	Sum of space airflow rates	
Space CFM	Individual peak space loads	

Central Cooling Coil Sizing Data

Total coil load	61.3	Tons
Total coil load	735.8	MBH
Sensible coil load	430.1	MBH
Coil CFM at Jul 1400	11616	CFM
Max block CFM	11616	CFM
Sum of peak zone CFM	11500	CFM
Sensible heat ratio	0.585	
ft²/Ton		
BTU/(hr-ft ²)		
Water flow @ 10.0 °F rise	N/A	

Central Heating Coil Sizing Data

Max coil load	.1	MBH
Coil CFM at Des Htg 1161	6	CFM
Max coil CFM1161	6	CFM
Water flow @ 20.0 °F drop N/	Ά	

Supply Fan Sizing Data

Actual max CFM	CFM
Standard CFM11604	CFM
Actual max CFM/ft ² 5.80	CFM/ft ²

Design airflow CFM 11500	CFM
CFM/ft ²	CFM/ft ²

Number of zones	1	
Floor Area	2004.4	ft²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at	Jul 1400	
OA DB / WB	91.5 / 74.9	°F
Entering DB / WB	91.2 / 74.7	°F
Leaving DB / WB	56.8 / 55.7	°F
Coil ADP	53.0	°F
Bypass Factor	0.100	
Resulting RH		%
Design supply temp.		°F
Zone T-stat Check	1 of 1	OK
Max zone temperature deviation	0.0	°F

Load occurs at Des Htg BTU/(hr-ft ²) 345.3	
BTU/(hr-ft²)	°F

Fan motor BHP	20.00	BHP
Fan motor kW	14.91	kW

CFM/person	605.26	CFM/person
•		•

Appendix C - HAP Output

Project Name: jxf_lab_mech2b_ACH Prepared by: psuae

Air System Name	AHU08 Sys
Equipment Class	PKG ROOF
Air System Type	SZCAV

Sizing Calculation Information

Zone and Space Sizin	g Method:
Zone CFM	Sum of space airflow rates
Space CFM	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	30.0	Tons
Total coil load		MBH
Sensible coil load	227.3	MBH
Coil CFM at Jul 1400	6964	CFM
Max block CFM	6964	CFM
Sum of peak zone CFM	6894	CFM
Sensible heat ratio	0.631	
ft²/Ton		
BTU/(hr-ft ²)		
Water flow @ 10.0 °F rise	N/A	

Central Heating Coil Sizing Data		
Max coil load	219.9	MBH
Coil CFM at Des Htg	6964	CFM
Max coil CFM	6964	CFM
Water flow @ 20.0 °F drop	N/A	

Supply Fan Sizing Data

Actual max CFM	CFM
Standard CFM 6956	CFM
Actual max CFM/ft ²	CFM/ft ²

Design airflow CFM	CFM
CFM/ft ²	CFM/ft ²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at Jul 1400	
OA DB / WB	°F
Entering DB / WB	°F
Leaving DB / WB	°F
Coil ADP 49.1	°F
Bypass Factor	
Resulting RH	%
Design supply temp. 47.1	°F
Zone T-stat Check 1 of 1	OK
Max zone temperature deviation	°F

Load occurs at	Des Htg	
BTU/(hr-ft ²)		
Ent. DB / Lvg DB	35.7 / 65.0	°F

Fan motor BHP	20.00	BHP
Fan motor kW	14.91	kW

CFM/person	CFM/person
•	•

AHU09 Sys
PKG ROOF
SZCAV

Sizing Calculation Information

Project Name: jxf_lab_mech2b_ACH Prepared by: psuae

Zone and Space Sizin	g Method:
Zone CFM	Sum of space airflow rates
Space CFM	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	Tons
Total coil load	MBH
Sensible coil load 128.0	MBH
Coil CFM at Jul 1600	CFM
Max block CFM 6752	CFM
Sum of peak zone CFM	CFM
Sensible heat ratio	
ft²/Ton	
BTU/(hr-ft ²)	
Water flow @ 10.0 °F rise N/A	

Central	Heating	Coil	Sizinc	Data
ocintia	neuting	001	OILING	Julia

Max coil load	94.5	MBH
Coil CFM at Des Htg	6752	CFM
Max coil CFM	6752	CFM
Water flow @ 20.0 °F drop	N/A	

Supply Fan Sizing Data

Actual max CFM 6752	CFM
Standard CFM	CFM
Actual max CFM/ft ²	CFM/ft ²

Design airflow CFM	CFM
CFM/ft ²	CFM/ft ²

Number of zones1	
Floor Area	ft²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at Jul 1	600	
OA DB / WB	74.9	°F
Entering DB / WB	6.5	°F
Leaving DB / WB	58.2	°F
Coil ADP	57.2	°F
Bypass Factor	100	
Resulting RH	. 64	%
Design supply temp.	17.2	°F
Zone T-stat Check 1	of 1	OK
Max zone temperature deviation	0.0	°F

Load occurs at Des Htg	
BTU/(hr-ft ²)	
Ent. DB / Lvg DB	°F

Fan motor BHP	15.00	BHP
Fan motor kW	11.19	kW

CFM/person	CFM/person
••••••••••••••••••••••••••••••••••••••	e

Supply	Fan	Sizing	Data
			-

Actual max CFM at Jul 1600 17743	CFM
Standard CFM	CFM
Actual max CFM/ft ²	CFM/ft ²

Outdoor Ventilation Air Data

Design airflow CFM 4680	CFM
CFM/ft ² 0.38	CFM/ft ²

MBH

Number of zones		
Floor Area	. 12246.6	ft²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at Jul 1600	
OA DB / WB	°F
Entering DB / WB	°F
Leaving DB / WB	°F
Coil ADP	°F
Bypass Factor	
Resulting RH	%
Design supply temp. 54.0	°F
Zone T-stat Check 14 of 14	OK
Max zone temperature deviation	°F

Fan motor BHP	40.00	BHP
Fan motor kW	29.83	kW

Sizing Calculation Information Zone and Space Sizing Method:

Central Cooling Coil Sizing Data

Air System Name _____ AHU10 Sys Equipment Class _____ PKG ROOF

Zone CFM Peak zone sensible load Space CFM Individual peak space loads

ft²/Ton 191.0

 Coil CFM at Jul 1600
 16212
 CFM

 Max block CFM at Jul 1600
 17743
 CFM

 Sum of peak zone CFM
 16877
 CFM

 Sensible heat ratio
 0.752

Air System Information

Air System Information Air System Name Equipment Class Air System Type	PKG ROOF	
Sizing Calculation Information Zone and Space Sizing Met Zone CFM Space CFM Ind	hod: Im of space airflow rates	
Central Cooling Coil Sizing	g Data	
Total coil load		Tons
Total coil load		MBH
Sensible coil load		MBH

Central Cooling Coil Sizing Data		
Total coil load		Tons
Total coil load		MBH
Sensible coil load	216.3	MBH
Coil CFM at Aug 1500		CFM
Max block CFM	5622	CFM
Sum of peak zone CFM		CFM
Sensible heat ratio	0.579	
ft²/Ton		
BTU/(hr-ft²)		
Water flow @ 10.0 °F rise	N/A	

Central	Heating	Coil Sizing Data	

Project Name: jxf_lab_mech2b_ACH Prepared by: psuae

Sentral Realing Con Sizing Data		
Max coil load	. 307.4	MBH
Coil CFM at Des Htg	5622	CFM
Max coil CFM	5622	CFM
Water flow @ 20.0 °F drop	N/A	
······ = -···		

Supply Fan Sizing Data Actual max CFM

Actual max CFM	5622	CFM
Standard CFM	5616	CFM
Actual max CFM/ft ²		CFM/ft ²

Outdoor Ventilation Air Data

Design airflow CFM	CFM
CFM/ft ²	CFM/ft ²

. 1

1619.6 ft²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Number of zones

Floor Area

Load occurs at Aug 1500	
OA DB / WB	°F
Entering DB / WB	°F
Leaving DB / WB 53.7 / 52.7	°F
Coil ADP	°F
Bypass Factor	
Resulting RH	%
Design supply temp. 51.0	°F
Zone T-stat Check 1 of 1	OK
Max zone temperature deviation 0.0	°F

Load occurs at Des Htg BTU/(hr-ft ²)	
Ent. DB / Lvg DB17.0 / 67.7	°F

Fan motor BHP	BHP
Fan motor kW	kW

CFM/person	6.00	CFM/person

Project Name: jxf_lab_mech2b_ACH Prepared by: psuae

Air System Information	
Air System Name	AHU12 Sys
Equipment Class	PKG ROOF
Air System Type	SZCAV

Sizing Calculation Information

Zone and Space Sizing	Method:
Zone CFM	Sum of space airflow rates
Space CFM	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	B Tons
Total coil load	B MBH
Sensible coil load	B MBH
Coil CFM at Jul 1500 1486	5 CFM
Max block CFM1486	5 CFM
Sum of peak zone CFM 14122	2 CFM
Sensible heat ratio 0.63	5
ft²/Ton	2
BTU/(hr-ft ²)	7
Water flow @ 10.0 °F rise N/A	۱

Central	Heat	ting	Coil	Sizing	Data	

Max coil load	MBH
Coil CFM at Des Htg 14865	CFM
Max coil CFM	CFM
Water flow @ 20.0 °F drop N/A	

Supply Fan Sizing Data

Actual max CFM	CFM
Standard CFM	CFM
Actual max CFM/ft ² 1.85	CFM/ft ²

Design airflow CFM	CFM
CFM/ft ² 1.03	CFM/ft ²

Number of zones	1	
Floor Area	8044.3	ft²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at	1500	
OA DB / WB	75.0	°F
Entering DB / WB	67.5	°F
Leaving DB / WB	43.9	°F
Coil ADP		°F
Bypass Factor	0.100	
Resulting RH	35	%
Design supply temp.		°F
Zone T-stat Check	1 of 1	OK
Max zone temperature deviation	0.0	°F

Load occurs at	Des Htg	
BTU/(hr-ft ²)		
Ent. DB / Lvg DB		°F

Fan motor BHP	40.00	BHP
Fan motor kW	29.83	kW

CFM/person	CFM/person

Sizing Calculation Information

Project Name: jxf_lab_mech2b_ACH Prepared by: psuae

Zone and Space Sizing	Method:
Zone CFM	Sum of space airflow rates
Space CFM	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load		Tons
Total coil load		MBH
Sensible coil load	454.5	MBH
Coil CFM at Jul 1600	11613	CFM
Max block CFM	11613	CFM
Sum of peak zone CFM	11032	CFM
Sensible heat ratio	0.645	
ft²/Ton	111.4	
BTU/(hr-ft ²)		
Water flow @ 10.0 °F rise	N/A	

Central	Heatin	g Coil	Sizing	Data	

Max coil load	MBH
Coil CFM at Des Htg 11613	CFM
Max coil CFM11613	CFM
Water flow @ 20.0 °F drop N/A	

Supply Fan Sizing Data

Actual max CFM	CFM
Standard CFM11600	CFM
Actual max CFM/ft ² 1.78	CFM/ft ²

Design airflow CFM5960	CFM
CFM/ft ² 0.91	CFM/ft ²

Number of zones	1	
Floor Area	. 6541.9	ft²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at	
OA DB / WB	°F
Entering DB / WB	°F
Leaving DB / WB	°F
Coil ADP	°F
Bypass Factor	
Resulting RH	%
Design supply temp. 51.0	°F
Zone T-stat Check 1 of 1	OK
Max zone temperature deviation	°F

Load occurs at Des Htg	1
BTU/(hr-ft ²)	Í
Ent. DB / Lvg DB	2°F

Fan motor BHP	30.00	BHP
Fan motor kW	22.37	kW

CFM/person	6 CFM/perso	on
•		

Air System Information

Zone and Space Sizing	Method:
Zone CFM	Sum of space airflow rates
Space CFM	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	3 Tons
Total coil load	O MBH
Sensible coil load	5 MBH
Coil CFM at Jul 1400	5 CFM
Max block CFM 409	5 CFM
Sum of peak zone CFM	O CFM
Sensible heat ratio 0.57	3
ft²/Ton44.	4
BTU/(hr-ft ²)	5
Water flow @ 10.0 °F rise N/	A

Central	Heating	Coil Sizing Data	
		-	

Max coil load	MBH
Coil CFM at Des Htg	CFM
Max coil CFM	CFM
Water flow @ 20.0 °F drop N/A	

Supply Fan Sizing Data

Actual max CFM 4095	CFM
Standard CFM	CFM
Actual max CFM/ft ²	CFM/ft ²

Design airflow CFM	CFM
CFM/ft ²	CFM/ft ²

Calculation Months	Jan to Dec
Sizing Data	Calculated

Load occurs at	Jul 1400	
OA DB / WB	91.5 / 74.9	°F
Entering DB / WB	90.3 / 74.2	°F
Leaving DB / WB	54.0 / 53.0	°F
Coil ADP	49.9	°F
Bypass Factor	0.100	
Resulting RH		%
Design supply temp.		°F
Zone T-stat Check	1 of 1	OK
Max zone temperature deviation	0.0	°F

Load occurs at	
Ent. DB / Lvg DB	°F

Fan motor BHP	5.00	BHP
Fan motor kW	3.73	kW

CFM/person	648.33	CFM/person
------------	--------	------------