

National TAB

Project: Madeira HS Gym HVAC Repl (Cincinnati, OH)

Address: 7465 Loannes Dr Cincinnati, OH 45243

Asset: AHU-1

Area: LOBBY

Unit Data	
Manufacturer	CARRIER
Model Number	FV4CNB006L00
Serial Number	4921F02802
Configuration	HORIZONTAL

Motor Data	
HP	0.75
Phase	1
Volts	208
Amps	6.8

Test Data		
	Design	Actual
SF CFM	1585	1665
RA CFM	1140	1229
OA CFM	460	436
RL VOLTAGE	208	212
RL AMPERAGE	6.8	5.9
Motor B.H.P.		0.65

Performance Data		
	Design	Actual
Suction S.P.		-0.35
Discharge S.P.		0.27
Total SP		0.62

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Asset: AHU-2

Area: AUX GYM

Unit Data	
Manufacturer	CARRIER
Model Number	FV4CNB006L00
Serial Number	3522F11614
Configuration	VERTICAL
No. Pre Filters / Size	1 / 22X22X1

Motor Data	
HP	0.75
Phase	1
Volts	208
Amps	6.8

Test Data		
	Design	Actual
SF CFM	1635	1788
RA CFM	1035	1146
OA CFM	600	642
RL VOLTAGE	208	210
RL AMPERAGE	6.8	5.2
Motor B.H.P.		0.57

Performance Data		
	Design	Actual
Mixed Air S.P.		-0.14
Suction S.P.		-0.55
Discharge S.P.		0.17
Total SP	0.67	0.72
Total ESP		0.31

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Asset: AHU-3

Area: AUX GYM

Unit Data	
Manufacturer	CARRIER
Model Number	40RUAA25T1A6-0A0A0
Serial Number	4422U07202
Configuration	VERTICAL AHU
No. Pre Filters / Size	3 / 16x24x2

Motor Data	
Motor MFG	CENTURY
Frame	184
HP	5
RPM	1755
Phase	3
Volts	460
Amps	9.1

Drive Data	
Motor Sheave Size	VP50
Motor Bore Size	1.125"
Fan Sheave Size	BK100
Fan Bore Size	1.4375
Belt CL Distance	11"
No of Belts	1
Belt Size	B40

Test Data		
	Design	Actual
SF CFM	8000	7810
SF RPM	851	877
RA CFM	5900	5802
OA CFM	2100	2008
RL VOLTAGE	460	472/470/473
RL AMPERAGE	9.1	6.8/6.0/5.8
Motor B.H.P.	4.0	3.6

Performance Data		
	Design	Actual
Mixed Air S.P.		-0.42
Suction S.P.		-0.94
Discharge S.P.		0.26
Total SP	0.67	1.2
Total ESP		0.69

