COMFORT SYSTEMS USA

Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc.
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Date:	07/29/2026
Return Request:	08/19/2026
Project:	Highlands Building at Pinnacle Hills
Supplier:	Comfort Systems USA
Manufacturer:	Various
Submittal:	Air Terminal Units - VAVs
Submittal Number:	23 36 00-01
Drawing # and Installation:	Mechanical

ARCHITECT
Crafton Tull
Fayetteville, Ar

ENGINEER
IMEG

GENERAL CONTRACTOR
Clark Contractors
Rogers, Ar

MECHANICAL SUBCONTRACTOR
Comfort Systems USA (Arkansas), Inc.
116 Commercial Ave.
Lowell, AR 72745
(479) 770.8992

NOTES:

CSUSA PROJECT NO.
26-5034
jzuber@comfortar.com

Spec 233600

METALAIRE

VAV Submittal

Project number: 68067

Project name: HOG Pinnacle 11-7-25

Note: This submittal is based on equipment and options listed on the attachement(s) and represents our interpretation of your requirements. It is the representative's responsibility to review this submittal and verify that it meets the job specifications.

Project Information

Project name:	Highlands Building at Pinnacle Hills
Location:	HOG Pinnacle
Architect:	
MEP firm:	
Mechanical contractor:	
Date:	7/29/2026

Sales Representative

Submitted by:	

Approvals

Owner's representative:	
Engineer of record:	
Mechanical Contractor:	

PROJECT SCHEDULE

General Unit Data							Static Pressure				Max NC		Heating Coil															
Tag	Model	Inlet Size	Casing	Handing	Max Prim. Airflow	Min Prim. Airflow	Inlet	Down stream	Min Drop	Unit Drop	Rad NC	Dis NC	Heating Airflow	Prim. Heating Airflow	Entering Air Temp	Leaving Air Temp	Box LAT	Hot Water Capacity	Air PD	Fluid Flow	Entering Fluid Temp	Leaving Fluid Temp	Fluid PD	Rows of Coils	FPI	Coil Connections	Fluid Type	% Glycol
				C/H	(CFM)	(CFM)	(in. H2O)	(in. H2O)	(in. H2O)	(in. H2O)			(CFM)	(CFM)	(°F)	(°F)	(°F)	(MBH)	(in. H2O)	(GPM)	(°F)	(°F)	(ft. H2O)					
VAV 1-1-01B	TH	12	C12	LL	1700	520	1	0.25	0.098	0.664	18	< 15	1700	1700	55	79.7	79.7	45.53	0.57	10	140	130.44	6.69	2	10	7/8	Propylene Glycol	25
VAV 1-1-02	TH	06	C06	LL	350	320	1	0.25	0.088	0.399	15	16	320	320	55	90.25	90.25	12.23	0.31	2	140	127.16	0.37	3	10	7/8	Propylene Glycol	25
VAV 1-1-04	TH	08	C08	LL	600	200	1	0.25	0.064	0.379	< 15	21	300	300	55	90.02	90.02	11.39	0.32	1.64	140	125.41	0.6	2	10	7/8	Propylene Glycol	25
VAV 1-1-05	TH	04	C04	LL	150	80	1	0.25	0.027	0.077	< 15	18	150	150	55	90.82	90.82	5.83	0.05	0.7	140	122.53	0.09	2	10	7/8	Propylene Glycol	25
VAV 1-1-09	TH	06	C06	LL	350	180	1	0.25	0.088	0.399	15	16	300	300	55	90.6	90.6	11.58	0.31	1.7	140	125.69	0.27	3	10	7/8	Propylene Glycol	25
VAV 1-1-11	TH	10	C10	LL	850	680	1	0.25	0.018	0.469	< 15	< 15	850	850	55	90.21	90.21	32.46	0.45	5.21	140	126.92	1.89	3	10	7/8	Propylene Glycol	25
VAV 1-1-12	TH	16	C16	LL	2450	2420	1	0.25	0.06	0.673	19	< 15	2450	2450	55	90.4	90.4	94.06	0.61	12	140	123.55	7.26	3	10	7/8	Propylene Glycol	25
VAV 1-1-13B	TH	10	C10	LL	1100	300	1	0.25	0.036	0.499	< 15	18	340	340	55	90.23	90.23	12.99	0.46	1.6	140	122.96	0.41	2	10	7/8	Propylene Glycol	25
VAV 1-1-16	TH	06	C06	LL	350	320	1	0.25	0.088	0.399	15	16	320	320	55	90.25	90.25	12.23	0.31	2	140	127.16	0.37	3	10	7/8	Propylene Glycol	25
VAV 1-1-18	TH	04	C04	LL	200	140	1	0.25	0.038	0.16	< 15	19	200	200	55	91.48	91.48	7.91	0.12	0.6	140	112.33	0.03	3	10	7/8	Propylene Glycol	25
VAV 1-1-19	TH	06	C06	LL	400	380	1	0.25	0.104	0.492	18	18	380	380	55	90.06	90.06	14.45	0.39	2.5	140	127.86	0.58	3	10	7/8	Propylene Glycol	25
VAV 1-1-20	TH	06	C06	LL	300	180	1	0.25	0.071	0.311	< 15	16	300	300	55	94.74	94.74	12.93	0.24	2.45	140	128.92	0.55	3	10	7/8	Propylene Glycol	25
VAV 1-1-21	TH	08	C08	LL	500	500	1	0.25	0.046	0.395	< 15	19	500	500	55	90.24	90.24	19.11	0.35	2.66	140	124.92	0.73	3	10	7/8	Propylene Glycol	25
VAV 1-1-22	TH	06	C06	LL	450	440	1	0.25	0.125	0.598	18	19	450	450	55	90.34	90.34	17.25	0.47	3.5	140	129.65	1.12	3	10	7/8	Propylene Glycol	25
VAV 1-1-23	TH	06	C06	LL	300	180	1	0.25	0.071	0.311	< 15	16	300	300	55	90.22	90.22	11.46	0.24	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25
VAV 1-1-24	TH	16	C16	LL	2450	740	1	0.25	0.06	0.468	20	< 15	740	740	55	90.8	90.8	28.73	0.41	2.45	140	115.4	0.82	2	10	7/8	Propylene Glycol	25
VAV 1-1-26	TH	10	C10	LL	850	780	1	0.25	0.018	0.469	< 15	< 15	850	850	55	90.21	90.21	32.46	0.45	5.21	140	126.92	1.89	3	10	7/8	Propylene Glycol	25
VAV 1-1-28	TH	06	C06	LL	300	180	1	0.25	0.071	0.311	< 15	16	300	300	55	90.22	90.22	11.46	0.24	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25
VAV 1-1-32	TH	08	C08	LL	500	180	1	0.25	0.046	0.278	< 15	20	300	300	55	90.02	90.02	11.39	0.23	1.64	140	125.41	0.6	2	10	7/8	Propylene Glycol	25
VAV 1-1-34	TH	10	C10	LL	1150	320	1	0.25	0.042	0.541	< 15	18	340	340	55	90.23	90.23	12.99	0.5	1.6	140	122.96	0.41	2	10	7/8	Propylene Glycol	25
VAV 1-1-35	TH	16	C16	LL	2450	2420	1	0.25	0.06	0.673	19	< 15	2450	2450	55	90.4	90.4	94.06	0.61	12	140	123.55	7.26	3	10	7/8	Propylene Glycol	25
VAV 1-1-36	TH	10	C10	LL	950	920	1	0.25	0.023	0.566	< 15	< 15	950	950	55	89.99	89.99	36.05	0.54	7	140	129.19	3.4	3	10	7/8	Propylene Glycol	25
VAV 1-1-37	TH	08	C08	LL	500	160	1	0.25	0.046	0.278	< 15	20	300	300	55	90.02	90.02	11.39	0.23	1.64	140	125.41	0.6	2	10	7/8	Propylene Glycol	25
VAV 1-1-38	TH	06	C06	LL	250	80	1	0.25	0.059	0.236	< 15	19	250	250	55	90.02	90.02	9.5	0.18	0.9	140	117.86	0.08	3	10	7/8	Propylene Glycol	25
VAV 1-2-03	TH	08	C08	LL	500	160	1	0.25	0.046	0.278	< 15	20	300	300	55	90.02	90.02	11.39	0.23	1.64	140	125.41	0.6	2	10	7/8	Propylene Glycol	25
VAV 1-2-04	TH	04	C04	LL	100	40	1	0.25	0.015	0.041	< 15	16	100	100	55	92.11	92.11	4.02	0.03	0.3	140	111.86	0.02	2	10	7/8	Propylene Glycol	25
VAV 1-2-05	TH	06	C06	LL	300	120	1	0.25	0.071	0.311	< 15	16	300	300	55	90.22	90.22	11.46	0.24	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25
VAV 1-2-06	TH	10	C10	LL	900	280	1	0.25	0.02	0.351	< 15	16	300	300	55	94.32	94.32	12.79	0.33	1.84	140	125.4	0.53	2	10	7/8	Propylene Glycol	25
VAV 1-2-10	TH	04	C04	LL	200	100	1	0.25	0.038	0.16	< 15	19	200	200	55	91.48	91.48	7.91	0.12	0.6	140	112.33	0.03	3	10	7/8	Propylene Glycol	25
VAV 1-2-11	TH	10	C10	LL	1000	780	1	0.25	0.025	0.617	< 15	< 15	850	850	55	90.21	90.21	32.46	0.59	5.21	140	126.92	1.89	3	10	7/8	Propylene Glycol	25
VAV 1-2-13	TH	16	C16	LL	2450	2420	1	0.25	0.06	0.673	19	< 15	2450	2450	55	90.4	90.4	94.06	0.61	12	140	123.55	7.26	3	10	7/8	Propylene Glycol	25
VAV 1-2-14	TH	14	C14	LL	1850	1620	1	0.25	0.067	0.586	19	< 15	1650	1650	55	90.02	90.02	62.67	0.52	6.49	140	119.73	3.45	3	10	7/8	Propylene Glycol	25
VAV 1-2-15	TH	16	C16	LL	2450	2420	1	0.25	0.06	0.673	19	< 15	2450	2450	55	90.4	90.4	94.06	0.61	12	140	123.55	7.26	3	10	7/8	Propylene Glycol	25
VAV 1-2-20	TH	08	C08	LL	500	460	1	0.25	0.046	0.395	< 15	19	460	460	55	90.94	90.94	17.93	0.35	2.45	140	124.63	0.62	3	10	7/8	Propylene Glycol	25
VAV 1-2-21	TH	06	C06	LL	450	420	1	0.25	0.125	0.598	18	19	420	420	55	90.11	90.11	15.99	0.47	3	140	128.81	0.83	3	10	7/8	Propylene Glycol	25
VAV 1-2-23	TH	06	C06	LL	350	220	1	0.25	0.088	0.399	15	16	300	300	55	90.22	90.22	11.46	0.31	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25
VAV 1-2-24	TH	08	C08	LL	650	600	1	0.25	0.077	0.618	< 15	19	600	600	55	90.07	90.07	22.82	0.54	3.65	140	126.87	1.36	3	10	7/8	Propylene Glycol	25
VAV 1-2-25	TH	08	C08	LL	650	600	1	0.25	0.077	0.618	< 15	19	600	600	55	90.07	90.07	22.82	0.54	3.65	140	126.87	1.36	3	10	7/8	Propylene Glycol	25
VAV 1-2-27	TH	08	C08	LL	600	540	1	0.25	0.064	0.537	< 15	19	540	540	55	90.37	90.37	20.71	0.47	3.08	140	125.88	0.97	3	10	7/8	Propylene Glycol	25
VAV 1-2-29	TH	10	C10	LL	800	740	1	0.25	0.016	0.423	< 15	< 15	740	740	55	90.06	90.06	28.13	0.41	4	140	125.23	1.12	3	10	7/8	Propylene Glycol	25
VAV 1-2-31	TH	06	C06	LL	350	220	1	0.25	0.088	0.399	15	16	300	300	55	90.22	90.22	11.46	0.31	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25
VAV 1-2-32	TH	06	C06	RR	350	320	1	0.25	0.088	0.399	15	16	320	320	55	90.25	90.25	12.23	0.31	2	140	127.16	0.37	3	10	7/8	Propylene Glycol	25
VAV 1-2-33	TH	06	C06	LL	250	250	1	0.25	0.059	0.236	< 15	19	250	250	55	90.02	90.02	9.5	0.18	0.9	140	117.86	0.08	3	10	7/8	Propylene Glycol	25
VAV 1-2-34	TH	06	C06	LL	350	300	1	0.25	0.088	0.399	15	16	300	300	55	90.22	90.22	11.46	0.31	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25
VAV 1-2-35	TH	08	C08	LL	550	550	1	0.25	0.055	0.464	< 15	19	550	550	55	90.07	90.07	20.92	0.41	3.1	140	125.83	0.99	3	10	7/8	Propylene Glycol	25
VAV 1-2-37	TH	08	C08	LL	550	160	1	0.25	0.055	0.328	< 15	21	300	300	55	90.37	90.37	11.51	0.27	1.7	140	125.79	0.65	2	10	7/8	Propylene Glycol	25
VAV 1-2-38	TH	06	C06	LL	400	380	1	0.25	0.104	0.492	18	18	400	400	55	90.33	90.33	15.33	0.39	2.8	140	128.51	0.72	3	10	7/8	Propylene Glycol	25
VAV 1-2-39	TH	06	C06	LL	300	260	1	0.25	0.071	0.311	< 15	16	300	300	55	90.22	90.22	11.46	0.24	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25
VAV 1-2-40	TH	06	C06	LL	350	180	1	0.25	0.088	0.399	15	16	300	300	55	90.22	90.22	11.46	0.31	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25
VAV 1-3-03	TH	08	C08	LL	500	140	1	0.25	0.046	0.278	< 15	20	300	300	55	90.37	90.37	11.51	0.23	1.7	140	125.79	0.65	2	10	7/8	Propylene Glycol	25
VAV 1-3-06	TH	16	C16	LL	2500	2500	1	0.25	0.062	0.696	18	< 15	2500	2500	55	90.01	90.01	94.91	0.63	12	140	123.4	7.26	3	10	7/8	Propylene Glycol	25
VAV 1-3-07	TH	06	C06	LL	450	300	1	0.25	0.125	0.598	18	19	400	400	55	90.33	90.33	15.33	0.47	2.8	140	128.51	0.72	3	10	7/8	Propylene Glycol	25
VAV 1-3-08	TH	06	C06	LL	420	420	1	0.25	0.112	0.533	18	19	420	420	55	90.11	90.11	15.99	0.42	3	140	128.81	0.83	3	10	7/8	Propylene Glycol	25
VAV 1-3-09	TH	06	C06	LL	250	100	1	0.25	0.059	0.236	< 15	19	250	250	55	90.02	90.02	9.5	0.18	0.9	140	117.86	0.08	3	10	7/8	Propylene Glycol	25
VAV 1-3-10	TH	06	C06	LL	400	120	1	0.25	0.104	0.492	18	18	300	300	55	90.22	90.22	11.46	0.39	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25
VAV 2-3-01	TH	04	C04	RR	200	60	1	0.25	0.038	0.16	< 15	19	200	200	55	91.48	91.48	7.91	0.12	0.6	140	112.33	0.03	3	10	7/8	Propylene Glycol	25
VAV 2-3-02	TH	12	C12	LL	1450	1400	1	0.25	0.061	0.711	< 15	< 15	1450	1450	55	90.06	90.06	55.13	0.65	10.2	140	128.65	4.15	3	10	7/8	Propylene Glycol	25
VAV 2-3-04	TH	14	C14	LL	1650	1620	1	0.25	0.053	0.482	16	< 15	1650	1650	55	90.47	90.47	63.47	0.43	6.8	140	120.41	3.78	3	10	7/8	Propylene Glycol	25
VAV 2-3-05	TH	06	C06	LL	300	100	1	0.25	0.071	0.311	< 15	16	300	300	55	90.22	90.22	11.46	0.24	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25
VAV 2-3-06	TH	08	C08	LL	650	620	1	0.25	0.077	0.618	< 15	19	620	620	55	90.01	90.01	23.54	0.54	3.87	140	127.23	1.53	3	10	7/8	Propylene Glycol	25
VAV 2-3-07	TH	12	C12	LL	1350	1340	1	0.25	0.055	0.631	< 15	< 15	1350	1350	55	90.09	90.09	51.38	0.58	8.5	140	127.31	2.9	3	10	7/8	Propylene Glycol	25
VAV 2-3-08	TH	12	C12	LL	1450	1340	1	0.25	0.061	0.711	< 15	< 15	1350	1350	55	90.09	90.09	51.38	0.65	8.5	140	127.31	2.9	3	10	7/8	Propylene Glycol	25
VAV 2-3-09	TH	08	C08	LL	550	160	1	0.25	0.055	0.464	< 15	19	300	300	55	90.93	90.93	11.69	0.41	0.9	140	112.75	0.09	3	10	7/8	Propylene Glycol	25
VAV 2-3-11	TH	06	C06	LL	350	160	1	0.25	0.088	0.399	15	16	300	300	55	90.22	90.22	11.46	0.31	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25

VAV 2-3-13	TH	06	C06	LL	400	360	1	0.25	0.104	0.492	18	18	360	360	55	90.13	90.13	13.72	0.39	2.3	140	127.48	0.49	3	10	7/8	Propylene Glycol	25
VAV 2-3-14	TH	06	C06	LL	400	380	1	0.25	0.104	0.492	18	18	380	380	55	90.06	90.06	14.45	0.39	2.5	140	127.86	0.58	3	10	7/8	Propylene Glycol	25
VAV 2-3-15	TH	08	C08	LL	550	520	1	0.25	0.055	0.464	< 15	19	550	550	55	90.07	90.07	20.92	0.41	3.1	140	125.83	0.99	3	10	7/8	Propylene Glycol	25
VAV 2-3-16A	TH	12	C12	LL	1350	1340	1	0.25	0.055	0.631	< 15	< 15	1350	1350	55	90.09	90.09	51.38	0.58	8.5	140	127.31	2.9	3	10	7/8	Propylene Glycol	25
VAV 2-3-16B	TH	14	C14	LL	1500	1500	1	0.25	0.042	0.407	15	< 15	1500	1500	55	90.14	90.14	57.16	0.37	5.2	140	116.93	2.22	3	10	7/8	Propylene Glycol	25
VAV 2-3-17	TH	14	C14	LL	1650	1620	1	0.25	0.053	0.482	16	< 15	1650	1650	55	90.47	90.47	63.47	0.43	6.8	140	120.41	3.78	3	10	7/8	Propylene Glycol	25
VAV 2-3-18	TH	10	C10	LL	950	920	1	0.25	0.023	0.566	< 15	< 15	950	950	55	90.21	90.21	36.28	0.54	7.2	140	129.42	3.59	3	10	7/8	Propylene Glycol	25
VAV 2-3-19	TH	06	C06	LL	400	120	1	0.25	0.104	0.492	18	18	300	300	55	90.22	90.22	11.46	0.39	1.6	140	124.96	0.24	3	10	7/8	Propylene Glycol	25
VAV 2-3-20	TH	16	C16	LL	2200	2200	1	0.25	0.05	0.561	19	< 15	2200	2200	55	92.52	92.52	89.51	0.51	12	140	124.34	7.26	3	10	7/8	Propylene Glycol	25
VAV 2-3-21	TH	16	C16	LL	2250	2250	1	0.25	0.052	0.583	19	< 15	2250	2250	55	92.07	92.07	90.46	0.53	12	140	124.17	7.26	3	10	7/8	Propylene Glycol	25
VAV 2-4-13B	TH	06	C06	LL	250	120	1	0.25	0.059	0.236	< 15	19	250	250	55	90.02	90.02	9.5	0.18	0.9	140	117.86	0.08	3	10	7/8	Propylene Glycol	25
VAV 2-4-21	TH	06	C06	LL	350	320	1	0.25	0.088	0.399	15	16	320	320	55	90.25	90.25	12.23	0.31	2	140	127.16	0.37	3	10	7/8	Propylene Glycol	25
VAV 2-5-23	TH	10	C10	LL	1100	850	1	0.25	0.036	0.73	< 15	< 15	850	850	55	90.21	90.21	32.46	0.69	5.21	140	126.92	1.89	3	10	7/8	Propylene Glycol	25
VAV 2-3-02	TH	12	C12	RR	1450	1400	1	0.25	0.061	0.711	< 15	< 15	1450	1450	55	90.06	90.06	55.13	0.65	10.2	140	128.65	4.15	3	10	7/8	Propylene Glycol	25
VAV 2-4-7	TH	06	C06	LL	300	300	1	0.25	0.071	0.231	< 15	16	300	300	55	89.96	89.96	11.37	0.16	3.21	140	132.56	1.63	2	10	7/8	Propylene Glycol	25
VAV 2-4-13a	TH	14	C14	LL	1900	600	1	0.25	0.07	0.432	21	< 15	600	600	55	92.41	92.41	24.34	0.36	2.45	140	119.15	0.77	2	10	7/8	Propylene Glycol	25
VAV 2-4-15	TH	12	C12	LL	1600	600	1	0.25	0.08	0.591	< 15	< 15	600	600	55	89.99	89.99	22.77	0.51	3.27	140	125.38	1.17	2	10	7/8	Propylene Glycol	25
VAV 2-4-16	TH	12	C12	LL	1600	600	1	0.25	0.08	0.591	< 15	< 15	600	600	55	89.99	89.99	22.77	0.51	3.27	140	125.38	1.17	2	10	7/8	Propylene Glycol	25
VAV 2-5-15	TH	12	C12	LL	1600	600	1	0.25	0.08	0.591	< 15	< 15	600	600	55	89.99	89.99	22.77	0.51	3.27	140	125.38	1.17	2	10	7/8	Propylene Glycol	25
VAV 2-5-16	TH	12	C12	LL	1600	600	1	0.25	0.08	0.591	< 15	< 15	600	600	55	89.99	89.99	22.77	0.51	3.27	140	125.38	1.17	2	10	7/8	Propylene Glycol	25

HOG Pinnacle 11-7-25

July 29, 2026

PROJECT SCHEDULE

General Unit Data							Static Pressure				Max NC		Fan Powered								Heating Coil															
Tag	Model	Inlet Size	Casing	Handling C/H	Max Prim. Airflow (CFM)	Min Prim. Airflow (CFM)	Inlet (in. H2O)	Down stream (in. H2O)	Min Drop (in. H2O)	Unit Drop (in. H2O)	Rad NC	Dis NC	Max Fan Airflow (CFM)	Min Fan Airflow (CFM)	Design Fan Airflow (CFM)	HP	Static Pressure (in. H2O)	Voltage	FLA	MCA	MOCP	Heating Airflow (CFM)	Prim. Heating Airflow (CFM)	Entering Air Temp (°F)	Leaving Air Temp (°F)	Box LAT (°F)	Hot Water Capacity (MBH)	Air PD (in. H2O)	Fluid Flow (GPM)	Entering Fluid Temp (°F)	Leaving Fluid Temp (°F)	Fluid PD (ft. H2O)	Rows of Coils	FPI	Coil Connections	Fluid Type	%Glycol
VAV 1-1-01A	FVI	14	C7	LL	2700	1300	1	0.25	0.103	0.412	36	30	2500	1000	1400	1	0.56	277/1	6.2	7.75	15	2700	1300	55	89.93	89.93	71.91	0.31	7.21	140	119.07	4.24	2	12	7/8	Propylene Glycol	25
VAV 1-1-03	FVI	12	C5	LL	1600	800	1	0.25	0.09	0.407	19	< 15	2000	400	800	1	0.57	277/1	6.2	7.75	15	1600	800	55	89.99	89.99	43.36	0.32	4.83	140	121.16	2.92	2	12	7/8	Propylene Glycol	25
VAV 1-1-06	FVI	12	C5	LL	1500	420	1	0.25	0.095	0.523	22	< 15	2000	400	930	1	0.68	277/1	6.2	7.75	15	1350	420	55	90.01	90.01	31.09	0.43	1.8	140	103.79	0.27	3	12	7/8	Propylene Glycol	25
VAV 1-1-07	FVI	10	C3	LL	1200	260	1	0.25	0.138	0.337	30	21	1200	250	940	1/2	0.45	277/1	3.4	4.25	15	1200	260	55	91.22	91.22	26.75	0.2	2.2	140	114.49	0.62	2	12	7/8	Propylene Glycol	25
VAV 1-1-08	FVI	10	C3	LL	1000	420	1	0.25	0.109	0.331	22	< 15	1200	250	580	1/2	0.47	277/1	3.4	4.25	15	1000	420	55	90.64	90.64	26.07	0.22	1.3	140	97.97	0.14	3	12	7/8	Propylene Glycol	25
VAV 1-1-10	FVI	08	C3	LL	700	200	1	0.25	0.116	0.199	20	< 15	1200	250	500	1/2	0.33	277/1	3.4	4.25	15	700	200	55	90.15	90.15	15.84	0.08	0.9	140	103.1	0.11	2	12	7/8	Propylene Glycol	25
VAV 1-1-13A	FVI	10	C2	LL	950	780	1	0.25	0.053	0.304	16	< 15	750	100	120	1/3	0.5	277/1	2.4	3	15	900	780	55	89.98	89.98	31.54	0.25	4.86	140	126.37	2.56	2	12	7/8	Propylene Glycol	25
VAV 1-1-14	FVI	08	C2	LL	650	200	1	0.25	0.11	0.246	25	15	750	100	450	1/3	0.39	277/1	2.4	3	15	650	200	55	90.09	90.09	14.97	0.14	1.2	140	113.82	0.16	2	12	7/8	Propylene Glycol	25
VAV 1-1-17	FVI	10	C3	LL	1050	600	1	0.25	0.099	0.259	19	< 15	1200	250	450	1/2	0.41	277/1	3.4	4.25	15	1050	600	55	90.12	90.12	30.23	0.16	2.55	140	115.13	0.83	2	12	7/8	Propylene Glycol	25
VAV 1-1-25	FVI	12	C3	LL	1500	460	1	0.25	0.098	0.384	32	22	1200	250	1040	1/2	0.54	277/1	3.4	4.25	15	1500	460	55	89.95	89.95	34.3	0.29	3.02	140	116.17	1.16	2	12	7/8	Propylene Glycol	25
VAV 1-1-31	FVI	10	C3	LL	900	180	1	0.25	0.121	0.246	26	16	1200	250	720	1/2	0.38	277/1	3.4	4.25	15	900	180	55	90.03	90.03	18.57	0.13	1.2	140	107.54	0.19	2	12	7/8	Propylene Glycol	25
VAV 1-2-01	FVI	14	C7	LL	2400	740	1	0.25	0.115	0.37	36	30	2500	1000	1660	1	0.51	277/1	6.2	7.75	15	2400	740	55	90.04	90.04	55.2	0.26	4.41	140	113.74	1.61	2	12	7/8	Propylene Glycol	25
VAV 1-2-02	FVI	10	C3	LL	1100	340	1	0.25	0.12	0.293	26	16	1200	250	710	1/2	0.42	277/1	3.4	4.25	15	1050	340	55	91.72	91.72	26.41	0.17	2.2	140	114.81	0.62	2	12	7/8	Propylene Glycol	25
VAV 1-2-07	FVI	12	C3	LL	1550	480	1	0.25	0.098	0.399	32	22	1200	250	1020	1/2	0.55	277/1	3.4	4.25	15	1500	480	55	89.92	89.92	34.68	0.3	3.07	140	116.3	1.2	2	12	7/8	Propylene Glycol	25
VAV 1-2-08	FVI	12	C3	LL	1650	500	1	0.25	0.098	0.431	32	22	1200	250	1050	1/2	0.58	277/1	3.4	4.25	15	1550	500	55	90	90	36.06	0.33	3.27	140	116.86	1.36	2	12	7/8	Propylene Glycol	25
VAV 1-2-09	FVI	12	C3	LL	1450	400	1	0.25	0.096	0.366	30	21	1200	250	950	1/2	0.52	277/1	3.4	4.25	15	1350	400	55	90.07	90.07	30.74	0.27	2.58	140	115	0.85	2	12	7/8	Propylene Glycol	25
VAV 1-2-12	FVI	10	C3	LL	1100	300	1	0.25	0.119	0.292	26	16	1200	250	700	1/2	0.42	277/1	3.4	4.25	15	1000	300	55	90.63	90.63	23.46	0.17	2	140	115.39	0.52	2	12	7/8	Propylene Glycol	25
VAV 1-2-16	FVI	14	C7	LL	2350	740	1	0.25	0.112	0.359	36	30	2500	1000	1610	1	0.5	277/1	6.2	7.75	15	2350	740	55	90.07	90.07	54.46	0.25	4.33	140	113.61	1.55	2	12	7/8	Propylene Glycol	25
VAV 1-2-17	FVI	12	C5	LL	1850	560	1	0.25	0.107	0.508	32	19	2000	400	1290	1	0.65	277/1	6.2	7.75	15	1850	560	55	89.98	89.98	42.21	0.4	4.47	140	120.18	2.51	2	12	7/8	Propylene Glycol	25
VAV 1-2-18	FVI	12	C3	LL	1250	380	1	0.25	0.091	0.304	29	18	1200	250	820	1/2	0.46	277/1	3.4	4.25	15	1200	380	55	90.98	90.98	29.03	0.21	2.45	140	115.14	0.77	2	12	7/8	Propylene Glycol	25
VAV 1-3-01	FVI	12	C3	LL	1450	540	1	0.25	0.094	0.364	30	20	1200	250	910	1/2	0.52	277/1	3.4	4.25	15	1450	540	55	89.92	89.92	35.18	0.27	3.15	140	116.57	1.26	2	12	7/8	Propylene Glycol	25
VAV 1-3-02	FVI	08	C1	LL	900	580	1	0.25	0.096	0.326	29	15	600	100	320	1/3	0.48	277/1	2.4	3	15	900	580	55	90	90	27.22	0.23	3.35	140	122.94	1.23	2	12	7/8	Propylene Glycol	25
VAV 1-3-04	FVI	12	C3	LL	1600	500	1	0.25	0.1	0.417	34	24	1200	250	1100	1/2	0.57	277/1	3.4	4.25	15	1600	500	55	90.02	90.02	36.91	0.32	3.39	140	117.16	1.46	2	12	7/8	Propylene Glycol	25
VAV 1-3-05	FVI	12	C5	LL	1800	560	1	0.25	0.105	0.489	31	19	2000	400	1240	1	0.63	277/1	6.2	7.75	15	1800	560	55	89.91	89.91	41.26	0.38	4.04	140	118.57	2.05	2	12	7/8	Propylene Glycol	25
VAV 2-3-03	FVI	08	C2	LL	500	280	1	0.25	0.086	0.175	16	< 15	750	100	220	1/3	0.34	277/1	2.4	3	15	500	280	55	90.25	90.25	14.34	0.09	1.1	140	112.64	0.14	2	12	7/8	Propylene Glycol	25
VAV 2-3-10	FVI	10	C3	LL	1250	380	1	0.25	0.132	0.345	30	19	1200	250	870	1/2	0.46	277/1	3.4	4.25	15	1250	380	55	90.54	90.54	29.32	0.21	2.45	140	114.9	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-4-01	FVI	14	C6	LL	2200	634	1	0.25	0.095	0.53	35	19	1166	400	1166	1	0.68	277/1	6.2	7.75	15	1800	634	55	90	90	43.03	0.43	3.78	140	116.11	1.89	2	12	7/8	Propylene Glycol	25
VAV 2-4-02	FVI	12	C3	LL	1700	486	1	0.25	0.079	0.429	20	< 15	514	250	514	1/2	0.6	277/1	3.4	4.25	15	1000	486	55	91.6	91.6	28.54	0.35	2.45	140	115.55	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-4-03	FVI	12	C3	LL	1800	524	1	0.25	0.077	0.461	19	< 15	1200	250	476	1/2	0.63	277/1	3.4	4.25	15	1000	524	55	91.1	91.1	28.83	0.38	2.45	140	115.31	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-4-04	FVI	12	C3	LL	1800	514	1	0.25	0.077	0.461	19	< 15	1200	250	486	1/2	0.63	277/1	3.4	4.25	15	1000	514	55	91.23	91.23	28.75	0.38	2.45	140	115.38	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-4-06	FVI	12	C3	LL	1600	471	1	0.25	0.079	0.396	20	< 15	1200	250	529	1/2	0.57	277/1	3.4	4.25	15	1000	471	55	91.8	91.8	28.43	0.32	2.45	140	115.65	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-4-08	FVI	10	C2	LL	1000	386	1	0.25	0.112	0.385	29	19	750	100	614	1/3	0.52	277/1	2.4	3	15	1000	386	55	90.02	90.02	24.66	0.27	2.8	140	121.51	0.86	2	12	7/8	Propylene Glycol	25
VAV 2-4-09	FVI	10	C2	LL	1000	294	1	0.25	0.028	0.301	16	< 15	750	100	206	1/3	0.52	277/1	2.4	3	15	500	294	55	97.91	97.91	18.8	0.27	2.45	140	123.89	0.66	2	12	7/8	Propylene Glycol	25
VAV 2-4-10	FVI	12	C3	LL	1700	491	1	0.25	0.078	0.428	20	< 15	1200	250	509	1/2	0.6	277/1	3.4	4.25	15	1000	491	55	91.53	91.53	28.58	0.35	2.45	140	115.52	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-4-11	FVI	12	C3	LL	1800	514	1	0.25	0.077	0.461	19	< 15	1200	250	486	1/2	0.63	277/1	3.4	4.25	15	1000	514	55	91.23	91.23	28.75	0.38	2.45	140	115.38	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-4-12	FVI	12	C6	LL	2100	609	1	0.25	0.103	0.506	35	19	2400	400	1191	1	0.65	277/1	6.2	7.75	15	1800	609	55	89.97	89.97	42.44	0.4	3.69	140	115.87	1.81	2	12	7/8	Propylene Glycol	25
VAV 2-4-14	FVI	10	C2	LL	1200	350	1	0.25	0.099	0.466	25	15	750	100	450	1/3	0.62	277/1	2.4	3	15	800	350	55	91.43	91.43	21.85	0.37	2.45	140	121.28	0.66	2	12	7/8	Propylene Glycol	25
VAV 2-4-17	FVI	12	C3	LL	1600	454	1	0.25	0.08	0.397	21	< 15	1200	250	546	1/2	0.57	277/1	3.4	4.25	15	1000	454	55	92.02	92.02	28.3	0.32	2.45	140	115.76	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-4-18	FVI	12	C3	LL	1500	430	1	0.25	0.081	0.367	22	< 15	1200	250	570	1/2	0.54	277/1	3.4	4.25	15	1000	430	55	92.33	92.33	28.13	0.29	2.45	140	115.91	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-4-19	FVI	12	C3	LL	1600	467	1	0.25	0.079	0.396	21	< 15	1200	250	533	1/2	0.57	277/1	3.4	4.25	15	1000	467	55	91.85	91.85	28.4	0.32	2.45	140	115.68	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-4-20	FVI	12	C3	LL	1700	493	1	0.25	0.078	0.428	20	< 15	1200	250	507	1/2	0.6	277/1	3.4	4.25	15	1000	493	55	91.51	91.51	28.6	0.35	2.45	140	115.51	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-4-22	FVI	10	C2	LL	1000	386	1	0.25	0.112	0.385	29	19	750	100	614	1/3	0.52	277/1	2.4	3	15	1000	386	55	90.02	90.02	24.66	0.27	2.8	140	121.51	0.86	2	12	7/8	Propylene Glycol	25
VAV 2-5-01	FVI	14	C6	LL	2200	634	1	0.25	0.096	0.531	35	19	2400	400	1186	1	0.68	277/1	6.2	7.75	15	1820	634	55	89.99	89.99	43.34	0.43	3.82	140	116.2	1.93	2	12	7/8	Propylene Glycol	25
VAV 2-5-02	FVI	12	C3	LL	1700	486	1	0.25	0.079	0.429	20	< 15	1200	250	514	1/2	0.6	277/1	3.4	4.25	15	1000	486	55	91.6	91.6	28.54	0.35	2.45	140	115.55	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-03	FVI	12	C3	LL	1800	524	1	0.25	0.077	0.461	19	< 15	1200	250	476	1/2	0.63	277/1	3.4	4.25	15	1000	524	55	91.1	91.1	28.83	0.38	2.45	140	115.31	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-04	FVI	12	C3	LL	1800	514	1	0.25	0.077	0.461	19	< 15	1200	250	486	1/2	0.63	277/1	3.4	4.25	15	1000	514	55	91.23	91.23	28.75	0.38	2.45	140	115.38	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-05	FVI	12	C3	LL	1800	519	1	0.25	0.077	0.461	19	< 15	1200	250	481	1/2	0.63	277/1	3.4	4.25	15	1000	519	55	91.17	91.17	28.79	0.38	2.45	140	115.34	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-06	FVI	12	C3	LL	1600	471	1	0.25	0.079	0.396	20	< 15	1200	250	529	1/2	0.57	277/1	3.4	4.25	15	1000	471	55	91.8	91.8	28.43	0.32	2.45	140	115.65	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-07	FVI	10	C2	LL	800	668	1	0.25	0.049	0.239	16	< 15	750	100	132	1/3	0.44	277/1	2.4	3	15	800	668	55	90.14	90.14	27.62	0.19	3.5	140	123.43	1.34	2	12	7/8	Propylene Glycol	25
VAV 2-5-08	FVI	10	C2	LL	1000	410	1	0.25	0.11	0.383	29	18	750	100	590	1/3	0.52	277/1	2.4	3	15	1000	410	55	89.99	89.99	25.15	0.27	2.89	140	121.73	0.92	2	12	7/8	Propylene Glycol	25
VAV 2-5-09	FVI	10	C2	LL	1000	294	1	0.25	0.119	0.392	31	21	750	100	706	1/3	0.52	277/1	2.4	3	15	1000	294	55	90.02	90.02	22.67	0.27	2.45	140	120.58	0.66	2	12	7/8	Propylene Glycol	25
VAV 2-5-10	FVI	12	C3	LL	1700	491	1	0.25	0.078	0.428	20	< 15	1200	250	509	1/2	0.6	277/1	3.4	4.25	15	1000	491	55	91.53	91.53	28.58	0.35	2.45	140	115.52	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-11	FVI	12	C3	LL	1800	514	1	0.25	0.077	0.461	19	< 15	1200	250	486	1/2	0.63	277/1	3.4	4.25	15	1000	514	55	91.23	91.23	28.75	0.38	2.45	140	115.38	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-12	FVI	12	C6	LL	2100	609	1	0.25	0.103	0.506	35	19	2400	400	1191	1	0.65	277/1	6.2	7.75	15	1800	609	55	89.97	89.97	42.44	0.4	3.69	140	115.87	1.81	2	12	7/8	Propylene Glycol	25
VAV 2-5-14	FVI	10	C3	LL	1200	350	1	0.25	0.115	0.314	25	16	1200	250	650	1/2	0.45	277/1	3.4	4.25	15	1000	350	55	93.38	93.38	27.53	0.2	2.45	140	116.42	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-17	FVI	12	C3	LL	1600	454	1	0.25	0.08	0.397	21	< 15	1200	250	546	1/2	0.57	277/1	3.4	4.25	15	1000	454	55	92.02	92.02	28.3	0.32	2.45	140	115.76	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-18	FVI	12	C3	LL	1500	430	1	0.25	0.081	0.367	22	< 15	1200	250	570	1/2	0.54	277/1	3.4	4.25	15	1000	430	55	92.33	92.33	28.13	0.29	2.45	140	115.91	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-19	FVI	12	C3	LL	1600	430	1	0.25	0.081	0.398	22	< 15	1200	250	570	1/2	0.57	277/1	3.4	4.25	15	1000	430	55	92.33	92.33	28.13	0.32	2.45	140	115.91	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-20	FVI	12	C3	LL	1700	493	1	0.25	0.078	0.428	20	< 15	1200	250	507	1/2	0.6	277/1	3.4	4.25	15	1000	493	55	91.51	91.51	28.6	0.35	2.45	140	115.51	0.77	2	12	7/8	Propylene Glycol	25
VAV 2-5-21	FVI	10	C2	LL	1000	410	1	0.25	0.11	0.383	29	18	750	100	590	1/3	0.52	277/1	2.4	3	15	1000	410	55	89.99	89.99	25.15	0.27	2.89	140	121.73	0.92	2	12	7/8	Propylene Glycol	25
VAV 2-5-22	FVI	10	C2	LL	1000	410	1	0.25	0.11	0.383	29	18	750	100	590	1/3	0.52	277/1	2.4	3	15	1000	410	55	89.99	89.99	25.15	0.27	2.89	140	121.73	0.92	2	12	7/8	Propylene Glycol	25

Project Summary

Qty	Model	Inlet Size	Casing	Tag(s)	Model Description
2	TH	04	C04	VAV 1-1-05, VAV 1-2-04	High Performance Single Duct Air Terminal Unit
4	TH	04	C04	VAV 1-1-18, VAV 1-2-10, VAV 2-3-01, VAV 2-3-01	High Performance Single Duct Air Terminal Unit
2	TH	04	C04	VAV 1-1-05, VAV 1-2-04	High Performance Single Duct Air Terminal Unit
2	TH	04	C04	VAV 1-1-18, VAV 1-2-10	High Performance Single Duct Air Terminal Unit
32	TH	06	C06	VAV 1-1-02, VAV 1-1-09, VAV 1-1-16, VAV 1-1-19, VAV 1-1-20, VAV 1-1-22, VAV 1-1-23, VAV 1-1-28, VAV 1-1-38, VAV 1-2-05, VAV 1-2-21, VAV 1-2-23, VAV 1-2-31, VAV 1-2-32, VAV 1-2-33, VAV 1-2-34, VAV 1-2-38, VAV 1-2-39, VAV 1-2-40, VAV 1-3-07, VAV 1-3-08, VAV 1-3-09, VAV 1-3-10, VAV 2-3-05, VAV 2-3-11, VAV 2-3-13, VAV 2-3-14, VAV 2-3-19, VAV 2-4-13B, VAV 1-3-09a, VAV 2-4-21, VAV 1-2-32	High Performance Single Duct Air Terminal Unit
1	TH	06	C06	VAV 2-4-7	High Performance Single Duct Air Terminal Unit
29	TH	06	C06	VAV 1-1-02, VAV 1-1-09, VAV 1-1-16, VAV 1-1-19, VAV 1-1-20, VAV 1-1-22, VAV 1-1-23, VAV 1-1-28, VAV 1-1-38, VAV 1-2-05, VAV 1-2-21, VAV 1-2-23, VAV 1-2-31, VAV 1-2-33, VAV 1-2-34, VAV 1-2-38, VAV 1-2-39, VAV 1-2-40, VAV 1-3-07, VAV 1-3-08, VAV 1-3-09, VAV 1-3-10, VAV 2-3-05, VAV 2-3-11, VAV 2-3-13, VAV 2-3-14, VAV 2-3-19, VAV 2-4-13B, VAV 2-4-21	High Performance Single Duct Air Terminal Unit
1	TH	06	C06	VAV 2-4-7	High Performance Single Duct Air Terminal Unit
6	TH	08	C08	VAV 1-1-04, VAV 1-1-32, VAV 1-1-37, VAV 1-2-37, VAV 1-3-03, VAV 1-2-03	High Performance Single Duct Air Terminal Unit
9	TH	08	C08	VAV 1-1-21, VAV 1-2-20, VAV 1-2-24, VAV 1-2-25, VAV 1-2-27, VAV 1-2-35, VAV 2-3-06, VAV 2-3-09, VAV 2-3-15	High Performance Single Duct Air Terminal Unit
6	TH	08	C08	VAV 1-1-04, VAV 1-1-32, VAV 1-1-37, VAV 1-2-03, VAV 1-2-37, VAV 1-3-03	High Performance Single Duct Air Terminal Unit
9	TH	08	C08	VAV 1-1-21, VAV 1-2-20, VAV 1-2-24, VAV 1-2-25, VAV 1-2-27, VAV 1-2-35, VAV 2-3-06, VAV 2-3-09, VAV 2-3-15	High Performance Single Duct Air Terminal Unit
7	TH	10	C10	VAV 1-1-11, VAV 1-1-26, VAV 1-2-29, VAV 2-3-18, VAV 1-1-36, VAV 1-2-11, VAV 2-5-23	High Performance Single Duct Air Terminal Unit
3	TH	10	C10	VAV 1-1-13B, VAV 1-1-34, VAV 1-2-06	High Performance Single Duct Air Terminal Unit
7	TH	10	C10	VAV 1-1-11, VAV 1-1-26, VAV 1-1-36, VAV 1-2-11, VAV 1-2-29, VAV 2-3-18, VAV 2-5-23	High Performance Single Duct Air Terminal Unit
3	TH	10	C10	VAV 1-1-13B, VAV 1-1-34, VAV 1-2-06	High Performance Single Duct Air Terminal Unit
5	TH	12	C12	VAV 2-3-02, VAV 2-3-16A, VAV 2-3-07, VAV 2-3-08, VAV 2-3-02	High Performance Single Duct Air Terminal Unit
1	TH	12	C12	VAV 1-1-01B	High Performance Single Duct Air Terminal Unit
5	TH	12	C12	VAV 1-1-01B, VAV 2-4-15, VAV 2-4-16, VAV 2-5-15, VAV 2-5-16	High Performance Single Duct Air Terminal Unit

4	TH	12	C12	VAV 2-3-02, VAV 2-3-07, VAV 2-3-08, VAV 2-3-16A	High Performance Single Duct Air Terminal Unit
4	TH	14	C14	VAV 2-3-04, VAV 2-3-16B, VAV 1-2-14, VAV 2-3-17	High Performance Single Duct Air Terminal Unit
4	TH	14	C14	VAV 1-2-14, VAV 2-3-04, VAV 2-3-16B, VAV 2-3-17	High Performance Single Duct Air Terminal Unit
1	TH	14	C14	VAV 2-4-13a	High Performance Single Duct Air Terminal Unit
1	TH	14	C14	VAV 2-4-13a	High Performance Single Duct Air Terminal Unit
7	TH	16	C16	VAV 1-1-12, VAV 1-2-15, VAV 1-3-06, VAV 1-1-35, VAV 1-2-13, VAV 2-3-20, VAV 2-3-21	High Performance Single Duct Air Terminal Unit
1	TH	16	C16	VAV 1-1-24	High Performance Single Duct Air Terminal Unit
7	TH	16	C16	VAV 1-1-12, VAV 1-1-35, VAV 1-2-13, VAV 1-2-15, VAV 1-3-06, VAV 2-3-20, VAV 2-3-21	High Performance Single Duct Air Terminal Unit
1	TH	16	C16	VAV 1-1-24	High Performance Single Duct Air Terminal Unit
3	FVI	08	C3	VAV 1-1-10, VAV 1-1-10, VAV 1-1-10	Parallel Fan Powered Air Terminal Unit
6	FVI	08	C2	VAV 1-1-14, VAV 2-3-03, VAV 1-1-14, VAV 2-3-03, VAV 1-1-14, VAV 2-3-03	Parallel Fan Powered Air Terminal Unit
3	FVI	08	C1	VAV 1-3-02, VAV 1-3-02, VAV 1-3-02	Parallel Fan Powered Air Terminal Unit
20	FVI	10	C3	VAV 1-1-07, VAV 1-1-17, VAV 1-1-31, VAV 1-2-02, VAV 1-2-12, VAV 2-3-10, VAV 1-1-07, VAV 1-1-17, VAV 1-1-31, VAV 1-2-02, VAV 1-2-12, VAV 2-3-10, VAV 2-5-14, VAV 1-1-07, VAV 1-1-17, VAV 1-1-31, VAV 1-2-02, VAV 1-2-12, VAV 2-3-10, VAV 2-5-14	Parallel Fan Powered Air Terminal Unit
3	FVI	10	C3	VAV 1-1-08, VAV 1-1-08, VAV 1-1-08	Parallel Fan Powered Air Terminal Unit
21	FVI	10	C2	VAV 1-1-13A, VAV 1-1-13A, VAV 2-4-08, VAV 2-4-09, VAV 2-4-14, VAV 2-4-22, VAV 2-5-07, VAV 2-5-08, VAV 2-5-09, VAV 2-5-21, VAV 2-5-22, VAV 1-1-13A, VAV 2-4-08, VAV 2-4-09, VAV 2-4-14, VAV 2-4-22, VAV 2-5-07, VAV 2-5-08, VAV 2-5-09, VAV 2-5-21, VAV 2-5-22	Parallel Fan Powered Air Terminal Unit
9	FVI	12	C5	VAV 1-1-03, VAV 1-2-17, VAV 1-3-05, VAV 1-1-03, VAV 1-2-17, VAV 1-3-05, VAV 1-1-03, VAV 1-2-17, VAV 1-3-05	Parallel Fan Powered Air Terminal Unit
3	FVI	12	C5	VAV 1-1-06, VAV 1-1-06, VAV 1-1-06	Parallel Fan Powered Air Terminal Unit

63	FVI	12	C3	VAV 1-1-25, VAV 1-2-07, VAV 1-2-08, VAV 1-2-09, VAV 1-2-18, VAV 1-3-01, VAV 1-3-04, VAV 1-1-25, VAV 1-2-07, VAV 1-2-08, VAV 1-2-09, VAV 1-2-18, VAV 1-3-01, VAV 1-3-04, VAV 2-4-02, VAV 2-4-03, VAV 2-4-04, VAV 2-4-06, VAV 2-4-10, VAV 2-4-11, VAV 2-4-17, VAV 2-4-18, VAV 2-4-19, VAV 2-4-20, VAV 2-5-02, VAV 2-5-03, VAV 2-5-04, VAV 2-5-05, VAV 2-5-06, VAV 2-5-10, VAV 2-5-11, VAV 2-5-17, VAV 2-5-18, VAV 2-5-19, VAV 2-5-20, VAV 1-1-25, VAV 1-2-07, VAV 1-2-08, VAV 1-2-09, VAV 1-2-18, VAV 1-3-01, VAV 1-3-04, VAV 2-4-02, VAV 2-4-03, VAV 2-4-04, VAV 2-4-06, VAV 2-4-10, VAV 2-4-11, VAV 2-4-17, VAV 2-4-18, VAV 2-4-19, VAV 2-4-20, VAV 2-5-02, VAV 2-5-03, VAV 2-5-04, VAV 2-5-05, VAV 2-5-06, VAV 2-5-10, VAV 2-5-11, VAV 2-5-17, VAV 2-5-18, VAV 2-5-19, VAV 2-5-20	Parallel Fan Powered Air Terminal Unit
4	FVI	12	C6	VAV 2-4-12, VAV 2-5-12, VAV 2-4-12, VAV 2-5-12	Parallel Fan Powered Air Terminal Unit
3	FVI	14	C7	VAV 1-1-01A, VAV 1-1-01A, VAV 1-1-01A	Parallel Fan Powered Air Terminal Unit
6	FVI	14	C7	VAV 1-2-01, VAV 1-2-16, VAV 1-2-01, VAV 1-2-16, VAV 1-2-01, VAV 1-2-16	Parallel Fan Powered Air Terminal Unit
4	FVI	14	C6	VAV 2-4-01, VAV 2-5-01, VAV 2-4-01, VAV 2-5-01	Parallel Fan Powered Air Terminal Unit

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
32	High Performance Single Duct Air Terminal Unit	TH 5 06 STU NA HW 3 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-02, VAV 1-1-09, VAV 1-1-16, VAV 1-1-19, VAV 1-1-20, VAV 1-1-22, VAV 1-1-23, VAV 1-1-28, VAV 1-1-38, VAV 1-2-05, VAV 1-2-21, VAV 1-2-23, VAV 1-2-31, VAV 1-2-32, VAV 1-2-33, VAV 1-2-34, VAV 1-2-38, VAV 1-2-39, VAV 1-2-40, VAV 1-3-07, VAV 1-3-08, VAV 1-3-09, VAV 1-3-10, VAV 2-3-05, VAV 2-3-11, VAV 2-3-13, VAV 2-3-14, VAV 2-3-19, VAV 2-4-13B, VAV 1-3-09a, VAV 2-4-21, VAV 1-2-32

Selected Options

06	Inlet Size : Inlet Size 06 (Min: 55 /Max: 540 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
6	High Performance Single Duct Air Terminal Unit	TH 5 08 STU NA HW 2 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-04, VAV 1-1-32, VAV 1-1-37, VAV 1-2-37, VAV 1-3-03, VAV 1-2-03

Selected Options

08	Inlet Size : Inlet Size 08 (Min: 100 /Max: 990 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
2	High Performance Single Duct Air Terminal Unit	TH 5 04 STU NA HW 2 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-05, VAV 1-2-04

Selected Options

04	Inlet Size : Inlet Size 04 (Min: 30 /Max: 300 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
7	High Performance Single Duct Air Terminal Unit	TH 5 10 STU NA HW 3 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-11, VAV 1-1-26, VAV 1-2-29, VAV 2-3-18, VAV 1-1-36, VAV 1-2-11, VAV 2-5-23

Selected Options

10	Inlet Size : Inlet Size 10 (Min: 165 /Max: 1640 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
7	High Performance Single Duct Air Terminal Unit	TH 5 16 STU NA HW 3 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-12, VAV 1-2-15, VAV 1-3-06, VAV 1-1-35, VAV 1-2-13, VAV 2-3-20, VAV 2-3-21

Selected Options

16	Inlet Size : Inlet Size 16 (Min: 410 /Max: 4100 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
3	High Performance Single Duct Air Terminal Unit	TH 5 10 STU NA HW 2 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-13B, VAV 1-1-34, VAV 1-2-06

Selected Options

10	Inlet Size : Inlet Size 10 (Min: 165 /Max: 1640 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
4	High Performance Single Duct Air Terminal Unit	TH 5 04 STU NA HW 3 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-18, VAV 1-2-10, VAV 2-3-01, VAV 2-3-01

Selected Options

04	Inlet Size : Inlet Size 04 (Min: 30 /Max: 300 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
9	High Performance Single Duct Air Terminal Unit	TH 5 08 STU NA HW 3 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-21, VAV 1-2-20, VAV 1-2-24, VAV 1-2-25, VAV 1-2-27, VAV 1-2-35, VAV 2-3-06, VAV 2-3-09, VAV 2-3-15

Selected Options

08	Inlet Size : Inlet Size 08 (Min: 100 /Max: 990 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
5	High Performance Single Duct Air Terminal Unit	TH 5 12 STU NA HW 3 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 2-3-02, VAV 2-3-16A, VAV 2-3-07, VAV 2-3-08, VAV 2-3-02

Selected Options

12	Inlet Size : Inlet Size 12 (Min: 235 /Max: 2350 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
4	High Performance Single Duct Air Terminal Unit	TH 5 14 STU NA HW 3 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 2-3-04, VAV 2-3-16B, VAV 1-2-14, VAV 2-3-17

Selected Options

14	Inlet Size : Inlet Size 14 (Min: 325 /Max: 3250 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
1	High Performance Single Duct Air Terminal Unit	TH 5 12 STU NA HW 2 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-01B

Selected Options

12	Inlet Size : Inlet Size 12 (Min: 235 /Max: 2350 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
1	High Performance Single Duct Air Terminal Unit	TH 5 16 STU NA HW 2 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-24

Selected Options

16	Inlet Size : Inlet Size 16 (Min: 410 /Max: 4100 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
1	High Performance Single Duct Air Terminal Unit	TH 5 06 STU NA HW 2 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 2-4-7

Selected Options

06	Inlet Size : Inlet Size 06 (Min: 55 /Max: 540 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
5	High Performance Single Duct Air Terminal Unit	TH 5 12 STU NA HW 2 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-01B, VAV 2-4-15, VAV 2-4-16, VAV 2-5-15, VAV 2-5-16

Selected Options

12	Inlet Size : Inlet Size 12 (Min: 235 /Max: 2350 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
29	High Performance Single Duct Air Terminal Unit	TH 5 06 STU NA HW 3 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-02, VAV 1-1-09, VAV 1-1-16, VAV 1-1-19, VAV 1-1-20, VAV 1-1-22, VAV 1-1-23, VAV 1-1-28, VAV 1-1-38, VAV 1-1-05, VAV 1-2-21, VAV 1-2-23, VAV 1-2-31, VAV 1-2-33, VAV 1-2-34, VAV 1-2-38, VAV 1-2-39, VAV 1-2-40, VAV 1-3-07, VAV 1-3-08, VAV 1-3-09, VAV 1-3-10, VAV 2-3-05, VAV 2-3-11, VAV 2-3-13, VAV 2-3-14, VAV 2-3-19, VAV 2-4-13B, VAV 2-4-21

Selected Options

06	Inlet Size : Inlet Size 06 (Min: 55 /Max: 540 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
6	High Performance Single Duct Air Terminal Unit	TH 5 08 STU NA HW 2 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-04, VAV 1-1-32, VAV 1-1-37, VAV 1-2-03, VAV 1-2-37, VAV 1-3-03

Selected Options

08	Inlet Size : Inlet Size 08 (Min: 100 /Max: 990 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
2	High Performance Single Duct Air Terminal Unit	TH 5 04 STU NA HW 2 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-05, VAV 1-2-04

Selected Options

04	Inlet Size : Inlet Size 04 (Min: 30 /Max: 300 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
7	High Performance Single Duct Air Terminal Unit	TH 5 10 STU NA HW 3 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-11, VAV 1-1-26, VAV 1-1-36, VAV 1-2-11, VAV 1-2-29, VAV 2-3-18, VAV 2-5-23

Selected Options

10	Inlet Size : Inlet Size 10 (Min: 165 /Max: 1640 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
7	High Performance Single Duct Air Terminal Unit	TH 5 16 STU NA HW 3 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-12, VAV 1-1-35, VAV 1-2-13, VAV 1-2-15, VAV 1-3-06, VAV 2-3-20, VAV 2-3-21

Selected Options

16	Inlet Size : Inlet Size 16 (Min: 410 /Max: 4100 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
3	High Performance Single Duct Air Terminal Unit	TH 5 10 STU NA HW 2 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-13B, VAV 1-1-34, VAV 1-2-06

Selected Options

10	Inlet Size : Inlet Size 10 (Min: 165 /Max: 1640 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
2	High Performance Single Duct Air Terminal Unit	TH 5 04 STU NA HW 3 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-18, VAV 1-2-10

Selected Options

04	Inlet Size : Inlet Size 04 (Min: 30 /Max: 300 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
9	High Performance Single Duct Air Terminal Unit	TH 5 08 STU NA HW 3 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-21, VAV 1-2-20, VAV 1-2-24, VAV 1-2-25, VAV 1-2-27, VAV 1-2-35, VAV 2-3-06, VAV 2-3-09, VAV 2-3-15

Selected Options

08	Inlet Size : Inlet Size 08 (Min: 100 /Max: 990 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
1	High Performance Single Duct Air Terminal Unit	TH 5 16 STU NA HW 2 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-1-24

Selected Options

16	Inlet Size : Inlet Size 16 (Min: 410 /Max: 4100 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
4	High Performance Single Duct Air Terminal Unit	TH 5 14 STU NA HW 3 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 1-2-14, VAV 2-3-04, VAV 2-3-16B, VAV 2-3-17

Selected Options

14	Inlet Size : Inlet Size 14 (Min: 325 /Max: 3250 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
4	High Performance Single Duct Air Terminal Unit	TH 5 12 STU NA HW 3 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 2-3-02, VAV 2-3-07, VAV 2-3-08, VAV 2-3-16A

Selected Options

12	Inlet Size : Inlet Size 12 (Min: 235 /Max: 2350 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
3	Number of Rows For Heating : 3 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
1	High Performance Single Duct Air Terminal Unit	TH 5 14 STU NA HW 2 Z07 27 Z82 51 Z91 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 2-4-13a

Selected Options

14	Inlet Size : Inlet Size 14 (Min: 325 /Max: 3250 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
Z91	Handing : Handing- Control And Reheat(electric or water) Connections On Right
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
1	High Performance Single Duct Air Terminal Unit	TH 5 06 STU NA HW 2 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 2-4-7

Selected Options

06	Inlet Size : Inlet Size 06 (Min: 55 /Max: 540 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

Product Data: High Performance Single Duct Air Terminal Unit

Qty	Description	Model Number
1	High Performance Single Duct Air Terminal Unit	TH 5 14 STU NA HW 2 Z07 27 Z82 51 88 Z23 20 92 93 NON 100B Z01 31 Z44

Tag(s): VAV 2-4-13a

Selected Options

14	Inlet Size : Inlet Size 14 (Min: 325 /Max: 3250 CFM)
STU	Eco Low Leakage Series : Standard Terminal Unit
NA	Sound Attenuator : No Attenuator
HW	Heating Type : Hot Water Heat
2	Number of Rows For Heating : 2 Row Hot Water Coil
Z07	Casing Material : 22 Ga Construction
27	Mounting Brackets : Brackets- Hanger Brackets
Z82	Outlet : Slip and Drive Connection
51	Liner : Solid Metal w/ 1" Insulation
88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
100B	Control Sequence (Select Control Type First) : 100B - Base Unit with No Controls
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate
31	Toggle Switch : Toggle Disconnect Switch
Z44	Fins Per Inch : 10 Fins Per Inch

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-02**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.23	MBH	**320**	**55.00**	°F	**90.25**	°F	**90.25**	°F	**140.00**	°F	**127.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.37**	ft. H2O	**2.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**320**	CFM
Primary Heating Airflow:	**320**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-04**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.064**	**0.379**	**0**	**21**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.39	MBH	**300**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**125.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.32**	in. H2O	**0.60**	ft. H2O	**1.64**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**600**	CFM
Min Primary:	**200**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**42**	**34**	**29**	**21**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**23**	**14**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**68**	**61**	**53**	**50**	**41**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**41**	**32**	**13**	**0**	**0**	**0**	**21**

METALAIRE

Model TH-504

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-05**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**04**	**12x8**	**300**	**30**	**1.000**	**0.250**	**0.027**	**0.077**	**0**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
5.83	MBH	**150**	**55.00**	°F	**90.82**	°F	**90.82**	°F	**140.00**	°F	**122.53**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.05**	in. H2O	**0.09**	ft. H2O	**0.70**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**150**	CFM
Min Primary:	**80**	CFM
Primary Heating Airflow:	**150**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**46**	**37**	**28**	**24**	**19**	**14**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**28**	**18**	**8**	**0**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**62**	**53**	**47**	**42**	**36**	**31**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**38**	**25**	**8**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-09**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.58	MBH	**300**	**55.00**	°F	**90.60**	°F	**90.60**	°F	**140.00**	°F	**125.69**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.27**	ft. H2O	**1.70**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-11**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.018**	**0.469**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
32.46	MBH	**850**	**55.00**	°F	**90.21**	°F	**90.21**	°F	**140.00**	°F	**126.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.45**	in. H2O	**1.89**	ft. H2O	**5.21**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**850**	CFM
Min Primary:	**680**	CFM
Primary Heating Airflow:	**850**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**45**	**44**	**36**	**29**	**23**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**27**	**25**	**16**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**50**	**46**	**37**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**35**	**28**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-12**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	16	24x18	4100	410	1.000	0.250	0.060	0.673	19	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
94.06	MBH	**2450**	**55.00**	°F	**90.40**	°F	**90.40**	°F	**140.00**	°F	**123.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.61**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2450**	CFM
Min Primary:	**2420**	CFM
Primary Heating Airflow:	**2450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**47**	**40**	**34**	**31**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**28**	**20**	**8**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**52**	**51**	**47**	**40**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**22**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-13B**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.036**	**0.499**	**0**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.99	MBH	**340**	**55.00**	°F	**90.23**	°F	**90.23**	°F	**140.00**	°F	**122.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.46**	in. H2O	**0.41**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1100**	CFM
Min Primary:	**300**	CFM
Primary Heating Airflow:	**340**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**48**	**46**	**40**	**34**	**25**	**19**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**30**	**27**	**20**	**8**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**61**	**55**	**50**	**43**	**40**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**36**	**31**	**14**	**0**	**0**	**1**	**18**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-16**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.23	MBH	**320**	**55.00**	°F	**90.25**	°F	**90.25**	°F	**140.00**	°F	**127.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.37**	ft. H2O	**2.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**320**	CFM
Primary Heating Airflow:	**320**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-504

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-18**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**04**	**12x8**	**300**	**30**	**1.000**	**0.250**	**0.038**	**0.160**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
7.91	MBH	**200**	**55.00**	°F	**91.48**	°F	**91.48**	°F	**140.00**	°F	**112.33**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.12**	in. H2O	**0.03**	ft. H2O	**0.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**200**	CFM
Min Primary:	**140**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**49**	**40**	**34**	**27**	**21**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**31**	**21**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**54**	**47**	**43**	**37**	**31**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**26**	**8**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-19**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
14.45	MBH	**380**	**55.00**	°F	**90.06**	°F	**90.06**	°F	**140.00**	°F	**127.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.58**	ft. H2O	**2.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**380**	CFM
Primary Heating Airflow:	**380**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-20**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.93	MBH	**300**	**55.00**	°F	**94.74**	°F	**94.74**	°F	**140.00**	°F	**128.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.55**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-21**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.395**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
19.11	MBH	**500**	**55.00**	°F	**90.24**	°F	**90.24**	°F	**140.00**	°F	**124.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.35**	in. H2O	**0.73**	ft. H2O	**2.66**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**500**	CFM
Primary Heating Airflow:	**500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**40**	**32**	**26**	**19**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**21**	**12**	**0**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**39**	**35**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-22**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.125**	**0.598**	**18**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
17.25	MBH	**450**	**55.00**	°F	**90.34**	°F	**90.34**	°F	**140.00**	°F	**129.65**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.47**	in. H2O	**1.12**	ft. H2O	**3.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**450**	CFM
Min Primary:	**440**	CFM
Primary Heating Airflow:	**450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**48**	**44**	**39**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**29**	**24**	**13**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**60**	**55**	**49**	**42**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**31**	**15**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-23**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-26**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.018**	**0.469**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
32.46	MBH	**850**	**55.00**	°F	**90.21**	°F	**90.21**	°F	**140.00**	°F	**126.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.45**	in. H2O	**1.89**	ft. H2O	**5.21**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**850**	CFM
Min Primary:	**780**	CFM
Primary Heating Airflow:	**850**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**45**	**44**	**36**	**29**	**23**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**27**	**25**	**16**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**50**	**46**	**37**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**35**	**28**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-28**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-32**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.278**	**0**	**20**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.39	MBH	**300**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**125.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.23**	in. H2O	**0.60**	ft. H2O	**1.64**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**41**	**34**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**22**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**67**	**61**	**52**	**48**	**41**	**37**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**40**	**32**	**12**	**0**	**0**	**0**	**20**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-34**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.042**	**0.541**	**0**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.99	MBH	**340**	**55.00**	°F	**90.23**	°F	**90.23**	°F	**140.00**	°F	**122.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.50**	in. H2O	**0.41**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1150**	CFM
Min Primary:	**320**	CFM
Primary Heating Airflow:	**340**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**49**	**47**	**40**	**35**	**25**	**19**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**31**	**28**	**20**	**9**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**61**	**56**	**52**	**44**	**42**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**37**	**31**	**15**	**1**	**0**	**3**	**18**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-37**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.278**	**0**	**20**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.39	MBH	**300**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**125.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.23**	in. H2O	**0.60**	ft. H2O	**1.64**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**160**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**41**	**34**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**22**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**67**	**61**	**52**	**48**	**41**	**37**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**40**	**32**	**12**	**0**	**0**	**0**	**20**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-38**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.059**	**0.236**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
9.50	MBH	**250**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.18**	in. H2O	**0.08**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**250**	CFM
Min Primary:	**80**	CFM
Primary Heating Airflow:	**250**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**37**	**29**	**25**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**17**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**55**	**48**	**43**	**37**	**33**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**27**	**9**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-504

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-04**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**04**	**12x8**	**300**	**30**	**1.000**	**0.250**	**0.015**	**0.041**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
4.02	MBH	**100**	**55.00**	°F	**92.11**	°F	**92.11**	°F	**140.00**	°F	**111.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.03**	in. H2O	**0.02**	ft. H2O	**0.30**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**100**	CFM
Min Primary:	**40**	CFM
Primary Heating Airflow:	**100**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**43**	**33**	**22**	**20**	**17**	**11**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**25**	**14**	**2**	**0**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**61**	**53**	**45**	**40**	**34**	**30**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**37**	**25**	**6**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-05**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**120**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-504

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-10**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**04**	**12x8**	**300**	**30**	**1.000**	**0.250**	**0.038**	**0.160**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
7.91	MBH	**200**	**55.00**	°F	**91.48**	°F	**91.48**	°F	**140.00**	°F	**112.33**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.12**	in. H2O	**0.03**	ft. H2O	**0.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**200**	CFM
Min Primary:	**100**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**49**	**40**	**34**	**27**	**21**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**31**	**21**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**54**	**47**	**43**	**37**	**31**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**26**	**8**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-15**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.060**	**0.673**	**19**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
94.06	MBH	**2450**	**55.00**	°F	**90.40**	°F	**90.40**	°F	**140.00**	°F	**123.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.61**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2450**	CFM
Min Primary:	**2420**	CFM
Primary Heating Airflow:	**2450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**47**	**40**	**34**	**31**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**28**	**20**	**8**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**52**	**51**	**47**	**40**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**22**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-20**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.395**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
17.93	MBH	**460**	**55.00**	°F	**90.94**	°F	**90.94**	°F	**140.00**	°F	**124.63**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.35**	in. H2O	**0.62**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**460**	CFM
Primary Heating Airflow:	**460**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**40**	**32**	**26**	**19**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**21**	**12**	**0**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**39**	**35**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-21**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.125**	**0.598**	**18**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
15.99	MBH	**420**	**55.00**	°F	**90.11**	°F	**90.11**	°F	**140.00**	°F	**128.81**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.47**	in. H2O	**0.83**	ft. H2O	**3.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**450**	CFM
Min Primary:	**420**	CFM
Primary Heating Airflow:	**420**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**48**	**44**	**39**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**29**	**24**	**13**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**60**	**55**	**49**	**42**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**31**	**15**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-23**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**220**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-24**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.077**	**0.618**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
22.82	MBH	**600**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**126.87**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.54**	in. H2O	**1.36**	ft. H2O	**3.65**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**650**	CFM
Min Primary:	**600**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**32**	**27**	**20**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**12**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-25**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.077**	**0.618**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
22.82	MBH	**600**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**126.87**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.54**	in. H2O	**1.36**	ft. H2O	**3.65**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**650**	CFM
Min Primary:	**600**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**32**	**27**	**20**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**12**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-27**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.064**	**0.537**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
20.71	MBH	**540**	**55.00**	°F	**90.37**	°F	**90.37**	°F	**140.00**	°F	**125.88**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.47**	in. H2O	**0.97**	ft. H2O	**3.08**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**600**	CFM
Min Primary:	**540**	CFM
Primary Heating Airflow:	**540**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**40**	**31**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**21**	**11**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**57**	**50**	**46**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**28**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-29**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.016**	**0.423**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.13	MBH	**740**	**55.00**	°F	**90.06**	°F	**90.06**	°F	**140.00**	°F	**125.23**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.41**	in. H2O	**1.12**	ft. H2O	**4.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**800**	CFM
Min Primary:	**740**	CFM
Primary Heating Airflow:	**740**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**45**	**44**	**35**	**29**	**23**	**18**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**27**	**25**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**58**	**50**	**46**	**38**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**28**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-31**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**220**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-32**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.23	MBH	**320**	**55.00**	°F	**90.25**	°F	**90.25**	°F	**140.00**	°F	**127.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.37**	ft. H2O	**2.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**320**	CFM
Primary Heating Airflow:	**320**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-33**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.059**	**0.236**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
9.50	MBH	**250**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.18**	in. H2O	**0.08**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**250**	CFM
Min Primary:	**250**	CFM
Primary Heating Airflow:	**250**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**37**	**29**	**25**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**17**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**55**	**48**	**43**	**37**	**33**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**27**	**9**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-34**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**300**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-35**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.055**	**0.464**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
20.92	MBH	**550**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**125.83**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.41**	in. H2O	**0.99**	ft. H2O	**3.10**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**550**	CFM
Min Primary:	**550**	CFM
Primary Heating Airflow:	**550**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**40**	**31**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**21**	**11**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**35**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-37**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.055**	**0.328**	**0**	**21**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.51	MBH	**300**	**55.00**	°F	**90.37**	°F	**90.37**	°F	**140.00**	°F	**125.79**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.27**	in. H2O	**0.65**	ft. H2O	**1.70**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**550**	CFM
Min Primary:	**160**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**42**	**34**	**29**	**21**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**23**	**14**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**68**	**61**	**52**	**50**	**42**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**41**	**32**	**12**	**0**	**0**	**0**	**21**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-38**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
15.33	MBH	**400**	**55.00**	°F	**90.33**	°F	**90.33**	°F	**140.00**	°F	**128.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.72**	ft. H2O	**2.80**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**380**	CFM
Primary Heating Airflow:	**400**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-39**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**260**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-40**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-03**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.278**	**0**	**20**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.51	MBH	**300**	**55.00**	°F	**90.37**	°F	**90.37**	°F	**140.00**	°F	**125.79**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.23**	in. H2O	**0.65**	ft. H2O	**1.70**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**140**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**41**	**34**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**22**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**67**	**61**	**52**	**48**	**41**	**37**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**40**	**32**	**12**	**0**	**0**	**0**	**20**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-06**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.062**	**0.696**	**18**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
94.91	MBH	**2500**	**55.00**	°F	**90.01**	°F	**90.01**	°F	**140.00**	°F	**123.40**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.63**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2500**	CFM
Min Primary:	**2500**	CFM
Primary Heating Airflow:	**2500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**56**	**48**	**40**	**35**	**31**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**38**	**29**	**20**	**9**	**0**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**52**	**51**	**47**	**40**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**22**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-07**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.125**	**0.598**	**18**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
15.33	MBH	**400**	**55.00**	°F	**90.33**	°F	**90.33**	°F	**140.00**	°F	**128.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.47**	in. H2O	**0.72**	ft. H2O	**2.80**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**450**	CFM
Min Primary:	**300**	CFM
Primary Heating Airflow:	**400**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**48**	**44**	**39**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**29**	**24**	**13**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**60**	**55**	**49**	**42**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**31**	**15**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-08**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.112**	**0.533**	**18**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
15.99	MBH	**420**	**55.00**	°F	**90.11**	°F	**90.11**	°F	**140.00**	°F	**128.81**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.42**	in. H2O	**0.83**	ft. H2O	**3.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**420**	CFM
Min Primary:	**420**	CFM
Primary Heating Airflow:	**420**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**39**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**13**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**60**	**54**	**49**	**41**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**31**	**14**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-09**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.059**	**0.236**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
9.50	MBH	**250**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.18**	in. H2O	**0.08**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**250**	CFM
Min Primary:	**100**	CFM
Primary Heating Airflow:	**250**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**37**	**29**	**25**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**17**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**55**	**48**	**43**	**37**	**33**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**27**	**9**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-10**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**120**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-504

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-01**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**04**	**12x8**	**300**	**30**	**1.000**	**0.250**	**0.038**	**0.160**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
7.91	MBH	**200**	**55.00**	°F	**91.48**	°F	**91.48**	°F	**140.00**	°F	**112.33**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.12**	in. H2O	**0.03**	ft. H2O	**0.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**200**	CFM
Min Primary:	**60**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**49**	**40**	**34**	**27**	**21**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**31**	**21**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**54**	**47**	**43**	**37**	**31**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**26**	**8**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-02**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**12**	**16x15**	**2350**	**235**	**1.000**	**0.250**	**0.061**	**0.711**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
55.13	MBH	**1450**	**55.00**	°F	**90.06**	°F	**90.06**	°F	**140.00**	°F	**128.65**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.65**	in. H2O	**4.15**	ft. H2O	**10.20**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1450**	CFM
Min Primary:	**1400**	CFM
Primary Heating Airflow:	**1450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**46**	**40**	**36**	**29**	**23**	**24**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**28**	**21**	**16**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**56**	**52**	**53**	**49**	**41**	**34**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**27**	**22**	**12**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-04**
Altitude:	**0 Feet**

		Size	CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	14	20x17.5	3250	325	1.000	0.250	0.053	0.482	16	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
63.47	MBH	**1650**	**55.00**	°F	**90.47**	°F	**90.47**	°F	**140.00**	°F	**120.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.43**	in. H2O	**3.78**	ft. H2O	**6.80**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1650**	CFM
Min Primary:	**1620**	CFM
Primary Heating Airflow:	**1650**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**55**	**45**	**43**	**33**	**28**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**26**	**23**	**7**	**0**	**0**	**16**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**47**	**41**	**41**	**40**	**34**	**30**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**18**	**11**	**0**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-05**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**100**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-06**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.077**	**0.618**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
23.54	MBH	**620**	**55.00**	°F	**90.01**	°F	**90.01**	°F	**140.00**	°F	**127.23**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.54**	in. H2O	**1.53**	ft. H2O	**3.87**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**650**	CFM
Min Primary:	**620**	CFM
Primary Heating Airflow:	**620**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**32**	**27**	**20**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**12**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-09**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.055**	**0.464**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.69	MBH	**300**	**55.00**	°F	**90.93**	°F	**90.93**	°F	**140.00**	°F	**112.75**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.41**	in. H2O	**0.09**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**550**	CFM
Min Primary:	**160**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**40**	**31**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**21**	**11**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**35**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-11**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**160**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-13**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
13.72	MBH	**360**	**55.00**	°F	**90.13**	°F	**90.13**	°F	**140.00**	°F	**127.48**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.49**	ft. H2O	**2.30**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**360**	CFM
Primary Heating Airflow:	**360**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-14**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
14.45	MBH	**380**	**55.00**	°F	**90.06**	°F	**90.06**	°F	**140.00**	°F	**127.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.58**	ft. H2O	**2.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**380**	CFM
Primary Heating Airflow:	**380**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-15**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.055**	**0.464**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
20.92	MBH	**550**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**125.83**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.41**	in. H2O	**0.99**	ft. H2O	**3.10**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**550**	CFM
Min Primary:	**520**	CFM
Primary Heating Airflow:	**550**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**40**	**31**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**21**	**11**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**35**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-16A**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	12	16x15	2350	235	1.000	0.250	0.055	0.631	0	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
51.38	MBH	**1350**	**55.00**	°F	**90.09**	°F	**90.09**	°F	**140.00**	°F	**127.31**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.58**	in. H2O	**2.90**	ft. H2O	**8.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1350**	CFM
Min Primary:	**1340**	CFM
Primary Heating Airflow:	**1350**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**47**	**41**	**35**	**29**	**23**	**24**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**29**	**22**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**53**	**54**	**50**	**42**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**23**	**13**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-16B**
Altitude:	**0 Feet**

		Size	CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	14	20x17.5	3250	325	1.000	0.250	0.042	0.407	15	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
57.16 MBH	**1500**	**55.00** °F	**90.14** °F	**90.14** °F	**140.00** °F	**116.93** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
3	**10**	**0.37** in. H2O	**2.22** ft. H2O	**5.20** GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1500**	CFM
Min Primary:	**1500**	CFM
Primary Heating Airflow:	**1500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**43**	**41**	**31**	**27**	**22**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**24**	**21**	**5**	**0**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**48**	**40**	**41**	**39**	**34**	**28**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**19**	**10**	**0**	**0**	**0**	**0**	**< 15**

METALAIRE **Model**

TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-18**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.023**	**0.566**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
36.28	MBH	**950**	**55.00**	°F	**90.21**	°F	**90.21**	°F	**140.00**	°F	**129.42**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.54**	in. H2O	**3.59**	ft. H2O	**7.20**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**950**	CFM
Min Primary:	**920**	CFM
Primary Heating Airflow:	**950**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**45**	**44**	**35**	**29**	**23**	**19**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**27**	**25**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**56**	**50**	**46**	**37**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**26**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-19**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**120**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-13B**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.059**	**0.236**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
9.50	MBH	**250**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.18**	in. H2O	**0.08**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**250**	CFM
Min Primary:	**120**	CFM
Primary Heating Airflow:	**250**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**37**	**29**	**25**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**17**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**55**	**48**	**43**	**37**	**33**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**27**	**9**	**0**	**0**	**0**	**19**

METALAIRE **Model**

TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-01B**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**12**	**16x15**	**2350**	**235**	**1.000**	**0.250**	**0.098**	**0.664**	**18**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
45.53	MBH	**1700**	**55.00**	°F	**79.70**	°F	**79.70**	°F	**140.00**	°F	**130.44**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.57**	in. H2O	**6.69**	ft. H2O	**10.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**520**	CFM
Primary Heating Airflow:	**1700**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**46**	**44**	**38**	**31**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**27**	**24**	**12**	**0**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**58**	**54**	**55**	**50**	**43**	**37**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**29**	**24**	**14**	**0**	**0**	**0**	**< 15**

METALAIRE **Model**

TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-24**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.060**	**0.468**	**20**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.73	MBH	**740**	**55.00**	°F	**90.80**	°F	**90.80**	°F	**140.00**	°F	**115.40**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.41**	in. H2O	**0.82**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2450**	CFM
Min Primary:	**740**	CFM
Primary Heating Airflow:	**740**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**58**	**49**	**41**	**36**	**33**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**30**	**21**	**10**	**2**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**59**	**54**	**53**	**49**	**43**	**38**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**30**	**24**	**12**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-35**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.060**	**0.673**	**19**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
94.06	MBH	**2450**	**55.00**	°F	**90.40**	°F	**90.40**	°F	**140.00**	°F	**123.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.61**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2450**	CFM
Min Primary:	**2420**	CFM
Primary Heating Airflow:	**2450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**47**	**40**	**34**	**31**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**28**	**20**	**8**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**52**	**51**	**47**	**40**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**22**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-36**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.023**	**0.566**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
36.05	MBH	**950**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**129.19**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.54**	in. H2O	**3.40**	ft. H2O	**7.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**950**	CFM
Min Primary:	**920**	CFM
Primary Heating Airflow:	**950**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**45**	**44**	**35**	**29**	**23**	**19**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**27**	**25**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**56**	**50**	**46**	**37**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**26**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-03**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.278**	**0**	**20**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.39	MBH	**300**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**125.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.23**	in. H2O	**0.60**	ft. H2O	**1.64**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**160**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**41**	**34**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**22**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**67**	**61**	**52**	**48**	**41**	**37**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**40**	**32**	**12**	**0**	**0**	**0**	**20**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-06**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.020**	**0.351**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.79	MBH	**300**	**55.00**	°F	**94.32**	°F	**94.32**	°F	**140.00**	°F	**125.40**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.33**	in. H2O	**0.53**	ft. H2O	**1.84**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**900**	CFM
Min Primary:	**280**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**47**	**46**	**38**	**31**	**25**	**19**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**29**	**27**	**18**	**5**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**60**	**53**	**50**	**40**	**38**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**37**	**30**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-11**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	10	14x12.5	1640	165	1.000	0.250	0.025	0.617	0	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
32.46	MBH	**850**	**55.00**	°F	**90.21**	°F	**90.21**	°F	**140.00**	°F	**126.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.59**	in. H2O	**1.89**	ft. H2O	**5.21**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**780**	CFM
Primary Heating Airflow:	**850**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**44**	**43**	**35**	**29**	**22**	**18**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**26**	**24**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**57**	**51**	**46**	**36**	**34**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**27**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-13**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.060**	**0.673**	**19**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
94.06	MBH	**2450**	**55.00**	°F	**90.40**	°F	**90.40**	°F	**140.00**	°F	**123.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.61**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2450**	CFM
Min Primary:	**2420**	CFM
Primary Heating Airflow:	**2450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**47**	**40**	**34**	**31**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**28**	**20**	**8**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**52**	**51**	**47**	**40**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**22**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-14**
Altitude:	**0 Feet**

		Size	CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	14	20x17.5	3250	325	1.000	0.250	0.067	0.586	19	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
62.67	MBH	**1650**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**119.73**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.52**	in. H2O	**3.45**	ft. H2O	**6.49**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1850**	CFM
Min Primary:	**1620**	CFM
Primary Heating Airflow:	**1650**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**55**	**46**	**45**	**34**	**29**	**24**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**27**	**25**	**8**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**48**	**42**	**42**	**40**	**35**	**31**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**19**	**12**	**1**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-09a**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.059**	**0.236**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
9.50	MBH	**250**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.18**	in. H2O	**0.08**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**250**	CFM
Min Primary:	**100**	CFM
Primary Heating Airflow:	**250**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**37**	**29**	**25**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**17**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**55**	**48**	**43**	**37**	**33**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**27**	**9**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-07**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**12**	**16x15**	**2350**	**235**	**1.000**	**0.250**	**0.055**	**0.631**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
51.38	MBH	**1350**	**55.00**	°F	**90.09**	°F	**90.09**	°F	**140.00**	°F	**127.31**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.58**	in. H2O	**2.90**	ft. H2O	**8.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1350**	CFM
Min Primary:	**1340**	CFM
Primary Heating Airflow:	**1350**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**47**	**41**	**35**	**29**	**23**	**24**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**29**	**22**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**53**	**54**	**50**	**42**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**23**	**13**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-08**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**12**	**16x15**	**2350**	**235**	**1.000**	**0.250**	**0.061**	**0.711**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
51.38	MBH	**1350**	**55.00**	°F	**90.09**	°F	**90.09**	°F	**140.00**	°F	**127.31**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.65**	in. H2O	**2.90**	ft. H2O	**8.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1450**	CFM
Min Primary:	**1340**	CFM
Primary Heating Airflow:	**1350**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**46**	**40**	**36**	**29**	**23**	**24**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**28**	**21**	**16**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**56**	**52**	**53**	**49**	**41**	**34**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**27**	**22**	**12**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-17**
Altitude:	**0 Feet**

		Size	CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	14	20x17.5	3250	325	1.000	0.250	0.053	0.482	16	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
63.47	MBH	**1650**	**55.00**	°F	**90.47**	°F	**90.47**	°F	**140.00**	°F	**120.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.43**	in. H2O	**3.78**	ft. H2O	**6.80**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1650**	CFM
Min Primary:	**1620**	CFM
Primary Heating Airflow:	**1650**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**55**	**45**	**43**	**33**	**28**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**26**	**23**	**7**	**0**	**0**	**16**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**47**	**41**	**41**	**40**	**34**	**30**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**18**	**11**	**0**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-20**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.050**	**0.561**	**19**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
89.51	MBH	**2200**	**55.00**	°F	**92.52**	°F	**92.52**	°F	**140.00**	°F	**124.34**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.51**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2200**	CFM
Min Primary:	**2200**	CFM
Primary Heating Airflow:	**2200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**48**	**39**	**33**	**30**	**26**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**29**	**19**	**7**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**55**	**50**	**49**	**45**	**38**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**26**	**20**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-21**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.052**	**0.583**	**19**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
90.46	MBH	**2250**	**55.00**	°F	**92.07**	°F	**92.07**	°F	**140.00**	°F	**124.17**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.53**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2250**	CFM
Min Primary:	**2250**	CFM
Primary Heating Airflow:	**2250**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**48**	**39**	**33**	**30**	**26**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**29**	**19**	**7**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**56**	**51**	**49**	**46**	**39**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**27**	**21**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-21**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.23	MBH	**320**	**55.00**	°F	**90.25**	°F	**90.25**	°F	**140.00**	°F	**127.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.37**	ft. H2O	**2.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**320**	CFM
Primary Heating Airflow:	**320**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-23**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.036**	**0.730**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
32.46	MBH	**850**	**55.00**	°F	**90.21**	°F	**90.21**	°F	**140.00**	°F	**126.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.69**	in. H2O	**1.89**	ft. H2O	**5.21**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1100**	CFM
Min Primary:	**850**	CFM
Primary Heating Airflow:	**850**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**46**	**44**	**37**	**33**	**23**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**28**	**25**	**17**	**7**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**62**	**57**	**53**	**47**	**41**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**33**	**27**	**12**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-7**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.231**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.37	MBH	**300**	**55.00**	°F	**89.96**	°F	**89.96**	°F	**140.00**	°F	**132.56**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.16**	in. H2O	**1.63**	ft. H2O	**3.21**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**300**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**57**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**28**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-01B**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**12**	**16x15**	**2350**	**235**	**1.000**	**0.250**	**0.098**	**0.664**	**18**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
45.53	MBH	**1700**	**55.00**	°F	**79.70**	°F	**79.70**	°F	**140.00**	°F	**130.44**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.57**	in. H2O	**6.69**	ft. H2O	**10.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**520**	CFM
Primary Heating Airflow:	**1700**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**46**	**44**	**38**	**31**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**27**	**24**	**12**	**0**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**58**	**54**	**55**	**50**	**43**	**37**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**29**	**24**	**14**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-02**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.23	MBH	**320**	**55.00**	°F	**90.25**	°F	**90.25**	°F	**140.00**	°F	**127.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.37**	ft. H2O	**2.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**320**	CFM
Primary Heating Airflow:	**320**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-04**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.064**	**0.379**	**0**	**21**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.39	MBH	**300**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**125.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.32**	in. H2O	**0.60**	ft. H2O	**1.64**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**600**	CFM
Min Primary:	**200**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**42**	**34**	**29**	**21**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**23**	**14**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**68**	**61**	**53**	**50**	**41**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**41**	**32**	**13**	**0**	**0**	**0**	**21**

METALAIRE

Model TH-504

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-05**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	04	12x8	300	30	1.000	0.250	0.027	0.077	0	18



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
5.83	MBH	**150**	**55.00**	°F	**90.82**	°F	**90.82**	°F	**140.00**	°F	**122.53**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.05**	in. H2O	**0.09**	ft. H2O	**0.70**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**150**	CFM
Min Primary:	**80**	CFM
Primary Heating Airflow:	**150**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**46**	**37**	**28**	**24**	**19**	**14**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**28**	**18**	**8**	**0**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**62**	**53**	**47**	**42**	**36**	**31**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**38**	**25**	**8**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-09**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.58	MBH	**300**	**55.00**	°F	**90.60**	°F	**90.60**	°F	**140.00**	°F	**125.69**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.27**	ft. H2O	**1.70**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-11**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.018**	**0.469**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
32.46	MBH	**850**	**55.00**	°F	**90.21**	°F	**90.21**	°F	**140.00**	°F	**126.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.45**	in. H2O	**1.89**	ft. H2O	**5.21**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**850**	CFM
Min Primary:	**680**	CFM
Primary Heating Airflow:	**850**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**45**	**44**	**36**	**29**	**23**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**27**	**25**	**16**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**50**	**46**	**37**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**35**	**28**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-12**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	16	24x18	4100	410	1.000	0.250	0.060	0.673	19	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
94.06	MBH	**2450**	**55.00**	°F	**90.40**	°F	**90.40**	°F	**140.00**	°F	**123.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.61**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2450**	CFM
Min Primary:	**2420**	CFM
Primary Heating Airflow:	**2450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**47**	**40**	**34**	**31**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**28**	**20**	**8**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**52**	**51**	**47**	**40**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**22**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-13B**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.036**	**0.499**	**0**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.99	MBH	**340**	**55.00**	°F	**90.23**	°F	**90.23**	°F	**140.00**	°F	**122.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.46**	in. H2O	**0.41**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1100**	CFM
Min Primary:	**300**	CFM
Primary Heating Airflow:	**340**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**48**	**46**	**40**	**34**	**25**	**19**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**30**	**27**	**20**	**8**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**61**	**55**	**50**	**43**	**40**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**36**	**31**	**14**	**0**	**0**	**1**	**18**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-16**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.23	MBH	**320**	**55.00**	°F	**90.25**	°F	**90.25**	°F	**140.00**	°F	**127.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.37**	ft. H2O	**2.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**320**	CFM
Primary Heating Airflow:	**320**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-504

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-18**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**04**	**12x8**	**300**	**30**	**1.000**	**0.250**	**0.038**	**0.160**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
7.91	MBH	**200**	**55.00**	°F	**91.48**	°F	**91.48**	°F	**140.00**	°F	**112.33**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.12**	in. H2O	**0.03**	ft. H2O	**0.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**200**	CFM
Min Primary:	**140**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**49**	**40**	**34**	**27**	**21**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**31**	**21**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**54**	**47**	**43**	**37**	**31**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**26**	**8**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-19**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
14.45	MBH	**380**	**55.00**	°F	**90.06**	°F	**90.06**	°F	**140.00**	°F	**127.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.58**	ft. H2O	**2.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**380**	CFM
Primary Heating Airflow:	**380**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-20**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.93	MBH	**300**	**55.00**	°F	**94.74**	°F	**94.74**	°F	**140.00**	°F	**128.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.55**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-21**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.395**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
19.11	MBH	**500**	**55.00**	°F	**90.24**	°F	**90.24**	°F	**140.00**	°F	**124.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.35**	in. H2O	**0.73**	ft. H2O	**2.66**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**500**	CFM
Primary Heating Airflow:	**500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**40**	**32**	**26**	**19**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**21**	**12**	**0**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**39**	**35**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-22**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.125**	**0.598**	**18**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
17.25	MBH	**450**	**55.00**	°F	**90.34**	°F	**90.34**	°F	**140.00**	°F	**129.65**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.47**	in. H2O	**1.12**	ft. H2O	**3.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**450**	CFM
Min Primary:	**440**	CFM
Primary Heating Airflow:	**450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**48**	**44**	**39**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**29**	**24**	**13**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**60**	**55**	**49**	**42**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**31**	**15**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-23**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-24**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.060**	**0.468**	**20**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.73	MBH	**740**	**55.00**	°F	**90.80**	°F	**90.80**	°F	**140.00**	°F	**115.40**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.41**	in. H2O	**0.82**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2450**	CFM
Min Primary:	**740**	CFM
Primary Heating Airflow:	**740**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**58**	**49**	**41**	**36**	**33**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**30**	**21**	**10**	**2**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**59**	**54**	**53**	**49**	**43**	**38**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**30**	**24**	**12**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-26**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.018**	**0.469**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
32.46	MBH	**850**	**55.00**	°F	**90.21**	°F	**90.21**	°F	**140.00**	°F	**126.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.45**	in. H2O	**1.89**	ft. H2O	**5.21**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**850**	CFM
Min Primary:	**780**	CFM
Primary Heating Airflow:	**850**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**45**	**44**	**36**	**29**	**23**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**27**	**25**	**16**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**50**	**46**	**37**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**35**	**28**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-28**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-32**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.278**	**0**	**20**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.39	MBH	**300**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**125.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.23**	in. H2O	**0.60**	ft. H2O	**1.64**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**41**	**34**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**22**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**67**	**61**	**52**	**48**	**41**	**37**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**40**	**32**	**12**	**0**	**0**	**0**	**20**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-34**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	10	14x12.5	1640	165	1.000	0.250	0.042	0.541	0	18



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.99	MBH	**340**	**55.00**	°F	**90.23**	°F	**90.23**	°F	**140.00**	°F	**122.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.50**	in. H2O	**0.41**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1150**	CFM
Min Primary:	**320**	CFM
Primary Heating Airflow:	**340**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**49**	**47**	**40**	**35**	**25**	**19**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**31**	**28**	**20**	**9**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**61**	**56**	**52**	**44**	**42**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**37**	**31**	**15**	**1**	**0**	**3**	**18**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-35**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.060**	**0.673**	**19**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
94.06	MBH	**2450**	**55.00**	°F	**90.40**	°F	**90.40**	°F	**140.00**	°F	**123.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.61**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2450**	CFM
Min Primary:	**2420**	CFM
Primary Heating Airflow:	**2450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**47**	**40**	**34**	**31**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**28**	**20**	**8**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**52**	**51**	**47**	**40**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**22**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-36**
Altitude:	**0 Feet**

		Size	CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	10	14x12.5	1640	165	1.000	0.250	0.023	0.566	0	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
36.05	MBH	**950**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**129.19**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.54**	in. H2O	**3.40**	ft. H2O	**7.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**950**	CFM
Min Primary:	**920**	CFM
Primary Heating Airflow:	**950**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**45**	**44**	**35**	**29**	**23**	**19**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**27**	**25**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**56**	**50**	**46**	**37**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**26**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-37**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.278**	**0**	**20**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.39	MBH	**300**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**125.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.23**	in. H2O	**0.60**	ft. H2O	**1.64**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**160**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**41**	**34**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**22**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**67**	**61**	**52**	**48**	**41**	**37**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**40**	**32**	**12**	**0**	**0**	**0**	**20**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-38**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.059**	**0.236**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
9.50	MBH	**250**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.18**	in. H2O	**0.08**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**250**	CFM
Min Primary:	**80**	CFM
Primary Heating Airflow:	**250**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**37**	**29**	**25**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**17**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**55**	**48**	**43**	**37**	**33**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**27**	**9**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-03**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.278**	**0**	**20**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.39	MBH	**300**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**125.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.23**	in. H2O	**0.60**	ft. H2O	**1.64**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**160**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**41**	**34**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**22**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**67**	**61**	**52**	**48**	**41**	**37**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**40**	**32**	**12**	**0**	**0**	**0**	**20**

METALAIRE

Model TH-504

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-04**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**04**	**12x8**	**300**	**30**	**1.000**	**0.250**	**0.015**	**0.041**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
4.02	MBH	**100**	**55.00**	°F	**92.11**	°F	**92.11**	°F	**140.00**	°F	**111.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.03**	in. H2O	**0.02**	ft. H2O	**0.30**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**100**	CFM
Min Primary:	**40**	CFM
Primary Heating Airflow:	**100**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**43**	**33**	**22**	**20**	**17**	**11**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**25**	**14**	**2**	**0**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**61**	**53**	**45**	**40**	**34**	**30**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**37**	**25**	**6**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-05**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**120**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-06**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.020**	**0.351**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.79	MBH	**300**	**55.00**	°F	**94.32**	°F	**94.32**	°F	**140.00**	°F	**125.40**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.33**	in. H2O	**0.53**	ft. H2O	**1.84**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**900**	CFM
Min Primary:	**280**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**47**	**46**	**38**	**31**	**25**	**19**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**29**	**27**	**18**	**5**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**60**	**53**	**50**	**40**	**38**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**37**	**30**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-504

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-10**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**04**	**12x8**	**300**	**30**	**1.000**	**0.250**	**0.038**	**0.160**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
7.91	MBH	**200**	**55.00**	°F	**91.48**	°F	**91.48**	°F	**140.00**	°F	**112.33**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.12**	in. H2O	**0.03**	ft. H2O	**0.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**200**	CFM
Min Primary:	**100**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**49**	**40**	**34**	**27**	**21**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**31**	**21**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**54**	**47**	**43**	**37**	**31**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**26**	**8**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-11**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.025**	**0.617**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
32.46	MBH	**850**	**55.00**	°F	**90.21**	°F	**90.21**	°F	**140.00**	°F	**126.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.59**	in. H2O	**1.89**	ft. H2O	**5.21**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**780**	CFM
Primary Heating Airflow:	**850**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**44**	**43**	**35**	**29**	**22**	**18**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**26**	**24**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**57**	**51**	**46**	**36**	**34**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**27**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-13**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	16	24x18	4100	410	1.000	0.250	0.060	0.673	19	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
94.06	MBH	**2450**	**55.00**	°F	**90.40**	°F	**90.40**	°F	**140.00**	°F	**123.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.61**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2450**	CFM
Min Primary:	**2420**	CFM
Primary Heating Airflow:	**2450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**47**	**40**	**34**	**31**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**28**	**20**	**8**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**52**	**51**	**47**	**40**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**22**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-14**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	14	20x17.5	3250	325	1.000	0.250	0.067	0.586	19	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
62.67	MBH	**1650**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**119.73**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.52**	in. H2O	**3.45**	ft. H2O	**6.49**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1850**	CFM
Min Primary:	**1620**	CFM
Primary Heating Airflow:	**1650**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**55**	**46**	**45**	**34**	**29**	**24**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**27**	**25**	**8**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**48**	**42**	**42**	**40**	**35**	**31**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**19**	**12**	**1**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-15**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.060**	**0.673**	**19**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
94.06	MBH	**2450**	**55.00**	°F	**90.40**	°F	**90.40**	°F	**140.00**	°F	**123.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.61**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2450**	CFM
Min Primary:	**2420**	CFM
Primary Heating Airflow:	**2450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**47**	**40**	**34**	**31**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**28**	**20**	**8**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**52**	**51**	**47**	**40**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**22**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-20**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.395**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
17.93	MBH	**460**	**55.00**	°F	**90.94**	°F	**90.94**	°F	**140.00**	°F	**124.63**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.35**	in. H2O	**0.62**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**460**	CFM
Primary Heating Airflow:	**460**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**40**	**32**	**26**	**19**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**21**	**12**	**0**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**39**	**35**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-21**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.125**	**0.598**	**18**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
15.99	MBH	**420**	**55.00**	°F	**90.11**	°F	**90.11**	°F	**140.00**	°F	**128.81**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.47**	in. H2O	**0.83**	ft. H2O	**3.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**450**	CFM
Min Primary:	**420**	CFM
Primary Heating Airflow:	**420**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**48**	**44**	**39**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**29**	**24**	**13**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**60**	**55**	**49**	**42**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**31**	**15**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-23**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**220**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-24**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.077**	**0.618**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
22.82	MBH	**600**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**126.87**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.54**	in. H2O	**1.36**	ft. H2O	**3.65**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**650**	CFM
Min Primary:	**600**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**32**	**27**	**20**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**12**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-25**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.077**	**0.618**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
22.82	MBH	**600**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**126.87**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.54**	in. H2O	**1.36**	ft. H2O	**3.65**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**650**	CFM
Min Primary:	**600**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**32**	**27**	**20**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**12**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-27**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.064**	**0.537**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
20.71	MBH	**540**	**55.00**	°F	**90.37**	°F	**90.37**	°F	**140.00**	°F	**125.88**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.47**	in. H2O	**0.97**	ft. H2O	**3.08**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**600**	CFM
Min Primary:	**540**	CFM
Primary Heating Airflow:	**540**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**40**	**31**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**21**	**11**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**57**	**50**	**46**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**28**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-29**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.016**	**0.423**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.13	MBH	**740**	**55.00**	°F	**90.06**	°F	**90.06**	°F	**140.00**	°F	**125.23**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.41**	in. H2O	**1.12**	ft. H2O	**4.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**800**	CFM
Min Primary:	**740**	CFM
Primary Heating Airflow:	**740**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**45**	**44**	**35**	**29**	**23**	**18**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**27**	**25**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**58**	**50**	**46**	**38**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**28**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-31**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**220**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-32**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.23	MBH	**320**	**55.00**	°F	**90.25**	°F	**90.25**	°F	**140.00**	°F	**127.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.37**	ft. H2O	**2.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**320**	CFM
Primary Heating Airflow:	**320**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-33**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.059**	**0.236**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
9.50	MBH	**250**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.18**	in. H2O	**0.08**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**250**	CFM
Min Primary:	**250**	CFM
Primary Heating Airflow:	**250**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**37**	**29**	**25**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**17**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**55**	**48**	**43**	**37**	**33**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**27**	**9**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-34**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**300**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-35**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.055**	**0.464**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
20.92	MBH	**550**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**125.83**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.41**	in. H2O	**0.99**	ft. H2O	**3.10**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**550**	CFM
Min Primary:	**550**	CFM
Primary Heating Airflow:	**550**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**40**	**31**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**21**	**11**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**35**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-37**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.055**	**0.328**	**0**	**21**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.51	MBH	**300**	**55.00**	°F	**90.37**	°F	**90.37**	°F	**140.00**	°F	**125.79**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.27**	in. H2O	**0.65**	ft. H2O	**1.70**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**550**	CFM
Min Primary:	**160**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**42**	**34**	**29**	**21**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**23**	**14**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**68**	**61**	**52**	**50**	**42**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**41**	**32**	**12**	**0**	**0**	**0**	**21**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-38**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
15.33	MBH	**400**	**55.00**	°F	**90.33**	°F	**90.33**	°F	**140.00**	°F	**128.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.72**	ft. H2O	**2.80**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**380**	CFM
Primary Heating Airflow:	**400**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-39**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**260**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-40**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**180**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-03**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.046**	**0.278**	**0**	**20**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.51	MBH	**300**	**55.00**	°F	**90.37**	°F	**90.37**	°F	**140.00**	°F	**125.79**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.23**	in. H2O	**0.65**	ft. H2O	**1.70**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**140**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**41**	**34**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**22**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**67**	**61**	**52**	**48**	**41**	**37**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**40**	**32**	**12**	**0**	**0**	**0**	**20**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-06**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.062**	**0.696**	**18**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
94.91	MBH	**2500**	**55.00**	°F	**90.01**	°F	**90.01**	°F	**140.00**	°F	**123.40**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.63**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2500**	CFM
Min Primary:	**2500**	CFM
Primary Heating Airflow:	**2500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**56**	**48**	**40**	**35**	**31**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**38**	**29**	**20**	**9**	**0**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**52**	**51**	**47**	**40**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**22**	**10**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-07**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.125**	**0.598**	**18**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
15.33	MBH	**400**	**55.00**	°F	**90.33**	°F	**90.33**	°F	**140.00**	°F	**128.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.47**	in. H2O	**0.72**	ft. H2O	**2.80**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**450**	CFM
Min Primary:	**300**	CFM
Primary Heating Airflow:	**400**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**48**	**44**	**39**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**29**	**24**	**13**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**60**	**55**	**49**	**42**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**31**	**15**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-08**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.112**	**0.533**	**18**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
15.99	MBH	**420**	**55.00**	°F	**90.11**	°F	**90.11**	°F	**140.00**	°F	**128.81**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.42**	in. H2O	**0.83**	ft. H2O	**3.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**420**	CFM
Min Primary:	**420**	CFM
Primary Heating Airflow:	**420**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**39**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**13**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**60**	**54**	**49**	**41**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**31**	**14**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-09**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.059**	**0.236**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
9.50	MBH	**250**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.18**	in. H2O	**0.08**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**250**	CFM
Min Primary:	**100**	CFM
Primary Heating Airflow:	**250**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**37**	**29**	**25**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**17**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**55**	**48**	**43**	**37**	**33**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**27**	**9**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-10**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**120**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-504

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-01**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**04**	**12x8**	**300**	**30**	**1.000**	**0.250**	**0.038**	**0.160**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
7.91	MBH	**200**	**55.00**	°F	**91.48**	°F	**91.48**	°F	**140.00**	°F	**112.33**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.12**	in. H2O	**0.03**	ft. H2O	**0.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**200**	CFM
Min Primary:	**60**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**49**	**40**	**34**	**27**	**21**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**31**	**21**	**14**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**54**	**47**	**43**	**37**	**31**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**26**	**8**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-02**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**12**	**16x15**	**2350**	**235**	**1.000**	**0.250**	**0.061**	**0.711**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
55.13	MBH	**1450**	**55.00**	°F	**90.06**	°F	**90.06**	°F	**140.00**	°F	**128.65**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.65**	in. H2O	**4.15**	ft. H2O	**10.20**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1450**	CFM
Min Primary:	**1400**	CFM
Primary Heating Airflow:	**1450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**46**	**40**	**36**	**29**	**23**	**24**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**28**	**21**	**16**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**56**	**52**	**53**	**49**	**41**	**34**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**27**	**22**	**12**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-04**
Altitude:	**0 Feet**

		Size	CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	14	20x17.5	3250	325	1.000	0.250	0.053	0.482	16	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
63.47	MBH	**1650**	**55.00**	°F	**90.47**	°F	**90.47**	°F	**140.00**	°F	**120.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.43**	in. H2O	**3.78**	ft. H2O	**6.80**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1650**	CFM
Min Primary:	**1620**	CFM
Primary Heating Airflow:	**1650**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**55**	**45**	**43**	**33**	**28**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**26**	**23**	**7**	**0**	**0**	**16**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**47**	**41**	**41**	**40**	**34**	**30**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**18**	**11**	**0**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-05**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.311**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.24**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**100**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**56**	**51**	**45**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**27**	**11**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-06**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.077**	**0.618**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
23.54	MBH	**620**	**55.00**	°F	**90.01**	°F	**90.01**	°F	**140.00**	°F	**127.23**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.54**	in. H2O	**1.53**	ft. H2O	**3.87**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**650**	CFM
Min Primary:	**620**	CFM
Primary Heating Airflow:	**620**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**32**	**27**	**20**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**12**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**34**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-07**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	12	16x15	2350	235	1.000	0.250	0.055	0.631	0	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
51.38	MBH	**1350**	**55.00**	°F	**90.09**	°F	**90.09**	°F	**140.00**	°F	**127.31**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.58**	in. H2O	**2.90**	ft. H2O	**8.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1350**	CFM
Min Primary:	**1340**	CFM
Primary Heating Airflow:	**1350**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**47**	**41**	**35**	**29**	**23**	**24**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**29**	**22**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**53**	**54**	**50**	**42**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**23**	**13**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-08**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	12	16x15	2350	235	1.000	0.250	0.061	0.711	0	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
51.38	MBH	**1350**	**55.00**	°F	**90.09**	°F	**90.09**	°F	**140.00**	°F	**127.31**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.65**	in. H2O	**2.90**	ft. H2O	**8.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1450**	CFM
Min Primary:	**1340**	CFM
Primary Heating Airflow:	**1350**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**46**	**40**	**36**	**29**	**23**	**24**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**28**	**21**	**16**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**56**	**52**	**53**	**49**	**41**	**34**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**27**	**22**	**12**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-09**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.055**	**0.464**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.69	MBH	**300**	**55.00**	°F	**90.93**	°F	**90.93**	°F	**140.00**	°F	**112.75**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.41**	in. H2O	**0.09**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**550**	CFM
Min Primary:	**160**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**40**	**31**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**21**	**11**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**35**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-11**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**160**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-13**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
13.72	MBH	**360**	**55.00**	°F	**90.13**	°F	**90.13**	°F	**140.00**	°F	**127.48**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.49**	ft. H2O	**2.30**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**360**	CFM
Primary Heating Airflow:	**360**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-14**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
14.45	MBH	**380**	**55.00**	°F	**90.06**	°F	**90.06**	°F	**140.00**	°F	**127.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.58**	ft. H2O	**2.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**380**	CFM
Primary Heating Airflow:	**380**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-15**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**08**	**12x10**	**990**	**100**	**1.000**	**0.250**	**0.055**	**0.464**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
20.92	MBH	**550**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**125.83**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.41**	in. H2O	**0.99**	ft. H2O	**3.10**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**550**	CFM
Min Primary:	**520**	CFM
Primary Heating Airflow:	**550**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**40**	**31**	**27**	**20**	**16**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**21**	**11**	**1**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**66**	**58**	**50**	**46**	**38**	**35**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**29**	**10**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-16A**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	12	16x15	2350	235	1.000	0.250	0.055	0.631	0	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
51.38	MBH	**1350**	**55.00**	°F	**90.09**	°F	**90.09**	°F	**140.00**	°F	**127.31**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.58**	in. H2O	**2.90**	ft. H2O	**8.50**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1350**	CFM
Min Primary:	**1340**	CFM
Primary Heating Airflow:	**1350**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**47**	**41**	**35**	**29**	**23**	**24**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**29**	**22**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**53**	**54**	**50**	**42**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**28**	**23**	**13**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-16B**
Altitude:	**0 Feet**

		Size	CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	14	20x17.5	3250	325	1.000	0.250	0.042	0.407	15	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
57.16 MBH	**1500**	**55.00** °F	**90.14** °F	**90.14** °F	**140.00** °F	**116.93** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
3	**10**	**0.37** in. H2O	**2.22** ft. H2O	**5.20** GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1500**	CFM
Min Primary:	**1500**	CFM
Primary Heating Airflow:	**1500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**43**	**41**	**31**	**27**	**22**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**24**	**21**	**5**	**0**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**48**	**40**	**41**	**39**	**34**	**28**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**19**	**10**	**0**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-17**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	14	20x17.5	3250	325	1.000	0.250	0.053	0.482	16	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
63.47	MBH	**1650**	**55.00**	°F	**90.47**	°F	**90.47**	°F	**140.00**	°F	**120.41**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.43**	in. H2O	**3.78**	ft. H2O	**6.80**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1650**	CFM
Min Primary:	**1620**	CFM
Primary Heating Airflow:	**1650**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**55**	**45**	**43**	**33**	**28**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**26**	**23**	**7**	**0**	**0**	**16**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**47**	**41**	**41**	**40**	**34**	**30**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**18**	**11**	**0**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-18**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**10**	**14x12.5**	**1640**	**165**	**1.000**	**0.250**	**0.023**	**0.566**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
36.28	MBH	**950**	**55.00**	°F	**90.21**	°F	**90.21**	°F	**140.00**	°F	**129.42**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.54**	in. H2O	**3.59**	ft. H2O	**7.20**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**950**	CFM
Min Primary:	**920**	CFM
Primary Heating Airflow:	**950**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**45**	**44**	**35**	**29**	**23**	**19**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**27**	**25**	**15**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**56**	**50**	**46**	**37**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**26**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-19**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.104**	**0.492**	**18**	**18**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.46	MBH	**300**	**55.00**	°F	**90.22**	°F	**90.22**	°F	**140.00**	°F	**124.96**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.39**	in. H2O	**0.24**	ft. H2O	**1.60**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**400**	CFM
Min Primary:	**120**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**54**	**48**	**44**	**38**	**35**	**29**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**36**	**29**	**24**	**12**	**4**	**0**	**18**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**65**	**59**	**54**	**48**	**40**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**30**	**14**	**0**	**0**	**0**	**18**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-20**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.050**	**0.561**	**19**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
89.51	MBH	**2200**	**55.00**	°F	**92.52**	°F	**92.52**	°F	**140.00**	°F	**124.34**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.51**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2200**	CFM
Min Primary:	**2200**	CFM
Primary Heating Airflow:	**2200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**48**	**39**	**33**	**30**	**26**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**29**	**19**	**7**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**55**	**50**	**49**	**45**	**38**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**26**	**20**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-516

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-21**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**16**	**24x18**	**4100**	**410**	**1.000**	**0.250**	**0.052**	**0.583**	**19**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
90.46	MBH	**2250**	**55.00**	°F	**92.07**	°F	**92.07**	°F	**140.00**	°F	**124.17**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.53**	in. H2O	**7.26**	ft. H2O	**12.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**2250**	CFM
Min Primary:	**2250**	CFM
Primary Heating Airflow:	**2250**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**57**	**48**	**39**	**33**	**30**	**26**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**29**	**19**	**7**	**0**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**56**	**51**	**49**	**46**	**39**	**35**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**27**	**21**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-13B**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.059**	**0.236**	**0**	**19**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
9.50	MBH	**250**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.18**	in. H2O	**0.08**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**250**	CFM
Min Primary:	**120**	CFM
Primary Heating Airflow:	**250**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**41**	**37**	**29**	**25**	**23**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**32**	**22**	**17**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**63**	**55**	**48**	**43**	**37**	**33**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**39**	**27**	**9**	**0**	**0**	**0**	**19**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-21**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.088**	**0.399**	**15**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
12.23	MBH	**320**	**55.00**	°F	**90.25**	°F	**90.25**	°F	**140.00**	°F	**127.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.31**	in. H2O	**0.37**	ft. H2O	**2.00**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**350**	CFM
Min Primary:	**320**	CFM
Primary Heating Airflow:	**320**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**53**	**46**	**42**	**35**	**32**	**28**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**35**	**27**	**22**	**9**	**1**	**0**	**15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**58**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**29**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-23**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	10	14x12.5	1640	165	1.000	0.250	0.036	0.730	0	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
32.46	MBH	**850**	**55.00**	°F	**90.21**	°F	**90.21**	°F	**140.00**	°F	**126.92**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.69**	in. H2O	**1.89**	ft. H2O	**5.21**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1100**	CFM
Min Primary:	**850**	CFM
Primary Heating Airflow:	**850**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**46**	**44**	**37**	**33**	**23**	**17**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**28**	**25**	**17**	**7**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**62**	**57**	**53**	**47**	**41**	**36**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**33**	**27**	**12**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-02**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**12**	**16x15**	**2350**	**235**	**1.000**	**0.250**	**0.061**	**0.711**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
55.13	MBH	**1450**	**55.00**	°F	**90.06**	°F	**90.06**	°F	**140.00**	°F	**128.65**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**10**	**0.65**	in. H2O	**4.15**	ft. H2O	**10.20**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1450**	CFM
Min Primary:	**1400**	CFM
Primary Heating Airflow:	**1450**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**46**	**40**	**36**	**29**	**23**	**24**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**28**	**21**	**16**	**3**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**56**	**52**	**53**	**49**	**41**	**34**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**27**	**22**	**12**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-13a**
Altitude:	**0 Feet**

		Size	CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	14	20x17.5	3250	325	1.000	0.250	0.070	0.432	21	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
24.34	MBH	**600**	**55.00**	°F	**92.41**	°F	**92.41**	°F	**140.00**	°F	**119.15**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.36**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1900**	CFM
Min Primary:	**600**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**56**	**48**	**47**	**36**	**30**	**25**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**38**	**29**	**27**	**10**	**0**	**0**	**21**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**44**	**44**	**42**	**38**	**34**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**21**	**14**	**3**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-506

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-7**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**06**	**12x8**	**540**	**55**	**1.000**	**0.250**	**0.071**	**0.231**	**0**	**16**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
11.37	MBH	**300**	**55.00**	°F	**89.96**	°F	**89.96**	°F	**140.00**	°F	**132.56**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.16**	in. H2O	**1.63**	ft. H2O	**3.21**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**300**	CFM
Min Primary:	**300**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**52**	**44**	**41**	**32**	**29**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**34**	**25**	**21**	**6**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**64**	**57**	**52**	**46**	**39**	**36**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**37**	**28**	**12**	**0**	**0**	**0**	**16**

METALAIRE

Model TH-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-13a**
Altitude:	**0 Feet**

		Size	CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**14**	**20x17.5**	**3250**	**325**	**1.000**	**0.250**	**0.070**	**0.432**	**21**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
24.34	MBH	**600**	**55.00**	°F	**92.41**	°F	**92.41**	°F	**140.00**	°F	**119.15**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.36**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1900**	CFM
Min Primary:	**600**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**56**	**48**	**47**	**36**	**30**	**25**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**38**	**29**	**27**	**10**	**0**	**0**	**21**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**50**	**44**	**44**	**42**	**38**	**34**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**21**	**14**	**3**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-15**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**12**	**16x15**	**2350**	**235**	**1.000**	**0.250**	**0.080**	**0.591**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
22.77	MBH	**600**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**125.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.51**	in. H2O	**1.17**	ft. H2O	**3.27**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**600**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**44**	**41**	**35**	**28**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**25**	**21**	**9**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**58**	**55**	**56**	**51**	**45**	**39**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**29**	**25**	**15**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-16**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**12**	**16x15**	**2350**	**235**	**1.000**	**0.250**	**0.080**	**0.591**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
22.77	MBH	**600**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**125.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.51**	in. H2O	**1.17**	ft. H2O	**3.27**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**600**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**44**	**41**	**35**	**28**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**25**	**21**	**9**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**58**	**55**	**56**	**51**	**45**	**39**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**29**	**25**	**15**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-15**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	TH	12	16x15	2350	235	1.000	0.250	0.080	0.591	0	0



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
22.77	MBH	**600**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**125.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.51**	in. H2O	**1.17**	ft. H2O	**3.27**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**600**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**44**	**41**	**35**	**28**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**25**	**21**	**9**	**0**	**0**	**< 15**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**58**	**55**	**56**	**51**	**45**	**39**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**29**	**25**	**15**	**0**	**0**	**0**	**< 15**

METALAIRE

Model TH-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-16**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**TH**	**12**	**16x15**	**2350**	**235**	**1.000**	**0.250**	**0.080**	**0.591**	**0**	**0**



High Performance Single Duct Air Terminal Unit

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
22.77	MBH	**600**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**125.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**10**	**0.51**	in. H2O	**1.17**	ft. H2O	**3.27**	GPM	**Propylene Glycol**	**25.00**

Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**600**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**No Attenuator**
Outlet:	**No Attenuator**

Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**51**	**44**	**41**	**35**	**28**	**27**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**33**	**25**	**21**	**9**	**0**	**0**	**< 15**

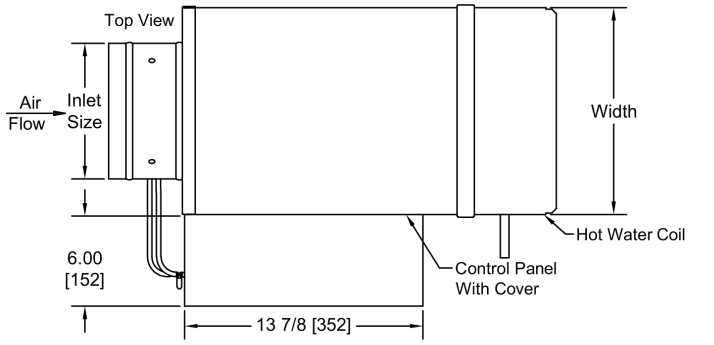
Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Primary	**58**	**55**	**56**	**51**	**45**	**39**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**29**	**25**	**15**	**0**	**0**	**0**	**< 15**

TH500-002 - TH with HWC

Qty: 147 Tags: VAV 1-1-01B, VAV 1-1-01B, VAV 2-4-15, VAV 2-4-16, VAV 2-5-15, VAV 2-5-16, VAV 1-1-02, VAV 1-1-09, VAV 1-1-16, VAV 1-1-19, VAV 1-1-20, VAV 1-1-22, VAV 1-1-23, VAV 1-1-28, VAV 1-1-38, VAV 1-2-05, VAV 1-2-21, VAV 1-2-23, VAV 1-2-31, VAV 1-2-32, VAV 1-2-33, VAV 1-2-34, VAV 1-2-38, VAV 1-2-39, VAV 1-2-40, VAV 1-3-07, VAV 1-3-08, VAV 1-3-09, VAV 1-3-10, VAV 2-3-05, VAV 2-3-11, VAV 2-3-13, VAV 2-3-14, VAV 2-3-19, VAV 2-4-13B, VAV 1-3-09a, VAV 2-4-21, VAV 1-2-32, VAV 1-1-02, VAV 1-1-09, VAV 1-1-16, VAV 1-1-19, VAV 1-1-20, VAV 1-1-22, VAV 1-1-23, VAV 1-1-28, VAV 1-1-38, VAV 1-2-05, VAV 1-2-21, VAV 1-2-23, VAV 1-2-31, VAV 1-2-33, VAV 1-2-34, VAV 1-2-38, VAV 1-2-39, VAV 1-2-40, VAV 1-3-07, VAV 1-3-08, VAV 1-3-09, VAV 1-3-10, VAV 2-3-05, VAV 2-3-11, VAV 2-3-13, VAV 2-3-14, VAV 2-3-19, VAV 2-4-13B, VAV 2-4-21, VAV 1-1-04, VAV 1-1-32, VAV 1-1-37, VAV 1-2-03, VA 1-2-37, VAV 1-3-03, VAV 1-1-04, VAV 1-1-32, VAV 1-1-37, VAV 1-2-37, VAV 1-3-03, VAV 1-2-03, VAV 1-1-05, VAV 1-2-04, VAV 1-1-11, VAV 1-1-26, VAV 1-1-36, VAV 1-2-11, VAV 1-2-29, VAV 2-3-18, VAV 2-5-23, VAV 1-1-11, VAV 1-1-26, VAV 1-2-29, VAV 2-3-18, VAV 1-1-36, VAV 1-2-11, VAV 2-5-23, VAV 1-1-12, VAV 1-1-35, VAV 1-2-13, VAV 1-2-15, VAV 1-3-06, VAV 2-3-20, VAV 2-3-21, VAV 1-1-12, VAV 1-2-15, VAV 1-3-06, VAV 1-1-35, VAV 1-2-13, VAV 2-3-20, VAV 2-3-21, VAV 1-1-13B, VAV 1-1-34, VAV 1-2-06, VAV 1-1-18, VAV 1-2-10, VAV 1-1-18, VAV 1-2-10, VAV 2-3-01, VAV 2-3-01, VAV 1-1-21, VAV 1-2-20, VAV 1-2-24, VAV 1-2-25, VAV 1-2-27, VAV 1-2-35, VAV 2-3-06, VAV 2-3-09, VA -3-15, VAV 1-1-24, VAV 1-2-14, VAV 2-3-04, VAV 2-3-16B, VAV 2-3-17, VAV 2-3-02, VAV 2-3-07, VAV 2-3-08, VAV 2-3 16A, VAV 2-3-02, VAV 2-3-16A, VAV 2-3-07, VAV 2-3-08, VAV 2-3-02, VAV 2-3-04, VAV 2-3-16B, VAV 1-2-14, VAV 2-3 17, VAV 2-4-13a, VAV 2-4-7

Single Duct Air Terminal Unit
With Hot Water Coil



The standard location for control panel is Right Hand on Single Duct Air Terminal Unit. Looking in the direction of airflow, the control panel is on the right.

The control panel will overhang the top and bottom of Units 04 - 06 1" [25.4 mm] Control Panel Mounting Surface width by height is $13\frac{7}{8}$" x $9\frac{3}{4}$"

Unit Size	Inlet Size		A		Width		Height		Unit Weight							
									1 Row		2 Row		3 Row		4 Row	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.	lb.	kg.	lb.	kg.	lb.	kg.	lb.	kg.
4	3 7/8	99	5	127	12	305	8	203	17	8	18	8	21	10	23	10
5	4 7/8	124	5	127	12	305	8	203	17	8	18	8	21	10	23	10
6	5 7/8	149	5	127	12	305	8	203	17	8	18	8	21	10	23	10
7	6 7/8	175	5	127	12	305	10	254	20	9	22	10	26	12	28	13
8	7 7/8	200	5	127	12	305	10	254	20	9	22	10	26	12	28	13
9	8 7/8	226	5	127	14	356	12 1/2	318	24	11	27	12	32	15	38	17
10	9 7/8	251	5	127	14	356	12 1/2	318	24	11	27	12	32	15	38	17
12	11 7/8	302	5	127	16	406	15	381	31	14	34	15	40	18	43	20
14	13 7/8	353	5	127	20	508	17 1/2	445	34	15	39	18	48	22	53	24
16	15 7/8	403	5	127	24	610	18	457	42	19	48	22	54	25	59	27
20	19 7/8 X 15 7/8	505 X 403	6	152	30	762	20	508	64	29	72	33	78	35	86	39
24	23 7/8 X 15 7/8	607 X 403	6	152	38	965	20	508	79	36	89	40	99	45	109	50

Standard Construction

- 1/2" Dual Density, Coated Fiberglass
- All Insulations Meet NFPA 90A And UL 181
- All Fiberglass Insulations Have Coated Edges To Prevent Fiber Migration
- Units Are Constructed With 22 Gauge Casing & Inlet Duct
- 18 Gauge Equivalent Damper Assembly With Integral Blade Seal
- Control Panel With Dust Cover
- Slip & Drive Discharge Connection
- Inlet Airflow Sensor

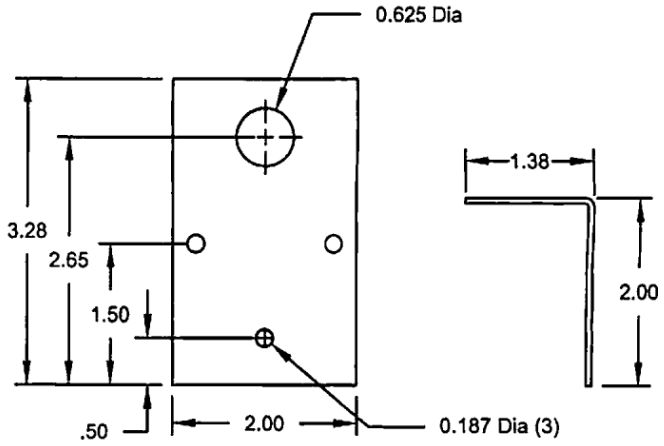
Revision: I	Date: 10/14/2024	Dimensions are in Inches	Page: 1 of 1

Hanger Brackets

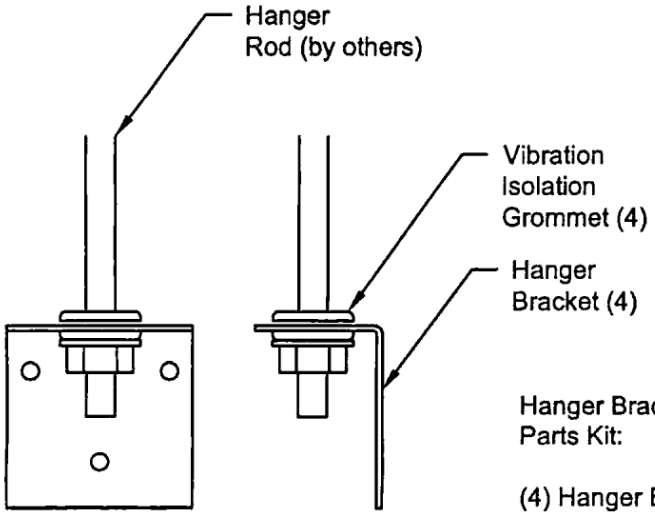
Qty: 147 Tags: VAV 1-1-01B, VAV 1-1-01B, VAV 2-4-15, VAV 2-4-16, VAV 2-5-15, VAV 2-5-16, VAV 1-1-02, VAV 1-1-09, VAV 1-1-16, VAV 1-1-19, VAV 1-1-20, VAV 1-1-22, VAV 1-1-23, VAV 1-1-28, VAV 1-1-38, VAV 1-2-05, VAV 1-2-21, VAV 1-2-23, VAV 1-2-31, VAV 1-2-32, VAV 1-2-33, VAV 1-2-34, VAV 1-2-38, VAV 1-2-39, VAV 1-2-40, VAV 1-3-07, VAV 1-3-08, VAV 1-3-09, VAV 1-3-10, VAV 2-3-05, VAV 2-3-11, VAV 2-3-13, VAV 2-3-14, VAV 2-3-19, VAV 2-4-13B, VAV 1-3-09a, VAV 2-4-21, VAV 1-2-32, VAV 1-1-02, VAV 1-1-09, VAV 1-1-16, VAV 1-1-19, VAV 1-1-20, VAV 1-1-22, VAV 1-1-23, VAV 1-1-28, VAV 1-1-38, VAV 1-2-05, VAV 1-2-21, VAV 1-2-23, VAV 1-2-31, VAV 1-2-33, VAV 1-2-34, VAV 1-2-38, VAV 1-2-39, VAV 1-2-40, VAV 1-3-07, VAV 1-3-08, VAV 1-3-09, VAV 1-3-10, VAV 2-3-05, VAV 2-3-11, VAV 2-3-13, VAV 2-3-14, VAV 2-3-19, VAV 2-4-13B, VAV 2-4-21, VAV 1-1-04, VAV 1-1-32, VAV 1-1-37, VAV 1-2-03, VAV 1-2-37, VAV 1-3-03, VAV 1-1-04, VAV 1-1-32, VAV 1-1-37, VAV 1-2-37, VAV 1-3-03, VAV 1-2-03, VAV 1-1-05, VAV 1-2-04, VAV 1-1-11, VAV 1-1-26, VAV 1-1-36, VAV 1-2-11, VAV 1-2-29, VAV 2-3-18, VAV 2-5-23, VAV 1-1-11, VAV 1-1-26, VAV 1-2-29, VAV 2-3-18, VAV 1-1-36, VAV 1-2-11, VAV 2-5-23, VAV 1-1-12, VAV 1-1-35, VAV 1-2-13, VAV 1-2-15, VAV 1-3-06, VAV 2-3-20, VAV 2-3-21, VAV 1-1-12, VAV 1-2-15, VAV 1-3-06, VAV 1-1-35, VAV 1-2-13, VAV 2-3-20, VAV 2-3-21, VAV 1-1-13B, VAV 1-1-34, VAV 1-2-06, VAV 1-1-18, VAV 1-2-10, VAV 1-1-18, VAV 1-2-10, VAV 2-3-01, VAV 2-3-01, VAV 1-1-21, VAV 1-2-20, VAV 1-2-24, VAV 1-2-25, VAV 1-2-27, VAV 1-2-35, VAV 2-3-06, VAV 2-3-09, VAV 2-3-15, VAV 1-1-24, VAV 1-2-14, VAV 2-3-04, VAV 2-3-16B, VAV 2-3-17, VAV 2-3-02, VAV 2-3-07, VAV 2-3-08, VAV 2-3-16A, VAV 2-3-02, VAV 2-3-16A, VAV 2-3-07, VAV 2-3-08, VAV 2-3-02, VAV 2-3-04, VAV 2-3-16B, VAV 1-2-14, VAV 2-3-17, VAV 2-4-13a, VAV 2-4-7

Hanger Bracket
Mounting Instructions:

Locate Hanger Brackets near corners of unit toalign with Hanger Rods (by others). Attach Hanger Brackets with sheet metal screws provided. Torque of driver must be controlled to prevent strip out.
secure unit to Hanger Rods with nuts and washers (by others).



Hanger Bracket
16 ga. Galv. Steel



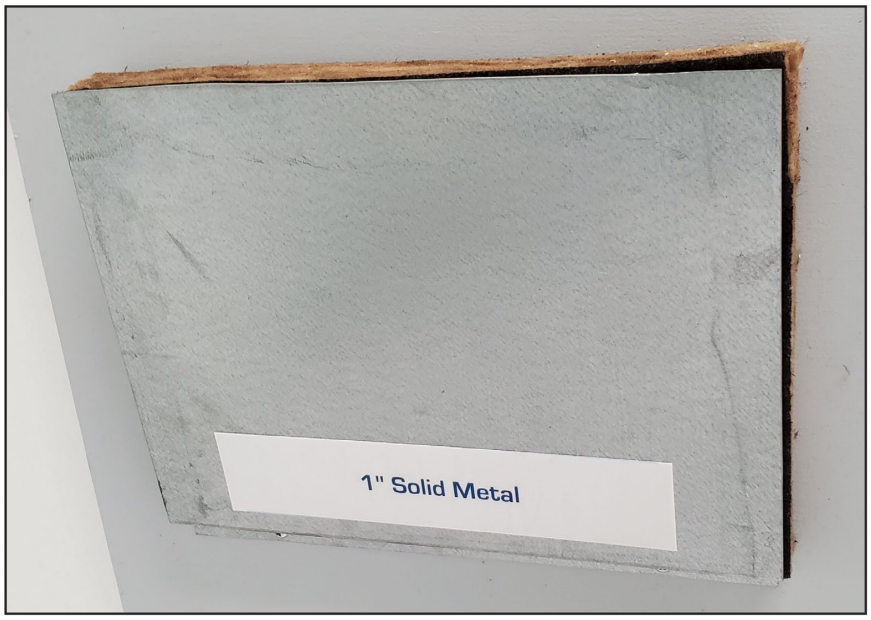
Hanger Bracket
Parts Kit:

(4) Hanger Brackets
(12) Sheet Metal Screws
(4) Isolation Grommets

Specification for Solid Metal Lined-Double Wall Options 33, 51

Qty: 147 Tags: VAV 1-1-01B, VAV 1-1-01B, VAV 2-4-15, VAV 2-4-16, VAV 2-5-15, VAV 2-5-16, VAV 1-1-02, VAV 1-1-09, VAV 1-1-16, VAV 1-1-19, VAV 1-1-20, VAV 1-1-22, VAV 1-1-23, VAV 1-1-28, VAV 1-1-38, VAV 1-2-05, VAV 1-2-21, VAV 1-2-23, VAV 1-2-31, VAV 1-2-32, VAV 1-2-33, VAV 1-2-34, VAV 1-2-38, VAV 1-2-39, VAV 1-2-40, VAV 1-3-07, VAV 1-3-08, VAV 1-3-09, VAV 1-3-10, VAV 2-3-05, VAV 2-3-11, VAV 2-3-13, VAV 2-3-14, VAV 2-3-19, VAV 2-4-13B, VAV 1-3-09a, VAV 2-4-21, VAV 1-2-32, VAV 1-1-02, VAV 1-1-09, VAV 1-1-16, VAV 1-1-19, VAV 1-1-20, VAV 1-1-22, VAV 1-1-23, VAV 1-1-28, VAV 1-1-38, VAV 1-2-05, VAV 1-2-21, VAV 1-2-23, VAV 1-2-31, VAV 1-2-33, VAV 1-2-34, VAV 1-2-38, VAV 1-2-39, VAV 1-2-40, VAV 1-3-07, VAV 1-3-08, VAV 1-3-09, VAV 1-3-10, VAV 2-3-05, VAV 2-3-11, VAV 2-3-13, VAV 2-3-14, VAV 2-3-19, VAV 2-4-13B, VAV 2-4-21, VAV 1-1-04, VAV 1-1-32, VAV 1-1-37, VAV 1-2-03, VAV 1-2-37, VAV 1-3-03, VAV 1-1-04, VAV 1-1-32, VAV 1-1-37, VAV 1-2-37, VAV 1-3-03, VAV 1-2-03, VAV 1-1-05, VAV 1-2-04, VAV 1-1-11, VAV 1-1-26, VAV 1-1-36, VAV 1-2-11, VAV 1-2-29, VAV 2-3-18, VAV 2-5-23, VAV 1-1-11, VAV 1-1-26, VAV 1-2-29, VAV 2-3-18, VAV 1-1-36, VAV 1-2-11, VAV 2-5-23, VAV 1-1-12, VAV 1-1-35, VAV 1-2-13, VAV 1-2-15, VAV 1-3-06, VAV 2-3-20, VAV 2-3-21, VAV 1-1-12, VAV 1-2-15, VAV 1-3-06, VAV 1-1-35, VAV 1-2-13, VAV 2-3-20, VAV 2-3-21, VAV 1-1-13B, VAV 1-1-34, VAV 1-2-06, VAV 1-1-18, VAV 1-2-10, VAV 1-1-18, VAV 1-2-10, VAV 2-3-01, VAV 2-3-01, VAV 1-1-21, VAV 1-2-20, VAV 1-2-24, VAV 1-2-25, VAV 1-2-27, VAV 1-2-35, VAV 2-3-06, VAV 2-3-09, VAV 2-3-15, VAV 1-1-24, VAV 1-2-14, VAV 2-3-04, VAV 2-3-16B, VAV 2-3-17, VAV 2-3-02, VAV 2-3-07, VAV 2-3-08, VAV 2-3-16A, VAV 2-3-02, VAV 2-3-16A, VAV 2-3-07, VAV 2-3-08, VAV 2-3-02, VAV 2-3-04, VAV 2-3-16B, VAV 1-2-14, VAV 2-3-17, VAV 2-4-13a, VAV 2-4-7

SOLID METAL LINED (DOUBLE WALL)



- Minimum 24 gauge galvanized solid steel liner
- Sealed at all seems to prevent insulation fiber erosion
- Available with 1" and ½" fiberglass insulation between the outer casing and the interior liner.

Specification

Description:	ToughGard Finished Fiberglass
Thickness:	1" and ½"
R-Value:	4.2/2.1 (hr.ft².ºF)Btu
Density:	1.6 lbs. / ft³
Thermal Conductance:	0.27/0.39 Btu hr. / ft² Fº
Operating Temperature:	250º F (121º C)
Maximum Air Velocity:	6000 fpm
Flame Spread:	25
Smoke Spread:	50
Air Erosion:	None
Mold Growth and Humidity:	Does not breed or promote

Applicable Codes

UL 181	Mold Growth and Humidity
UL 181	Air Erosion
ASTM E84	Flame/Smoke (25/50)
UL 723	Flame/Smoke (25/50)
NFPA 90A	Fire and Smoke Spread

Mechanical Specifications

Tag(s): **VAV 1-1-02,VAV 1-1-04,VAV 1-1-05,VAV 1-1-09,VAV 1-1-11,VAV 1-1-12,VAV 1-1-13B,VAV 1-1-16,VAV 1-1-18,VAV 1-1-19,VAV 1-1-20,VAV 1-1-21,VAV 1-1-22,VAV 1-1-23,VAV 1-1-26,VAV 1-1-28,VAV 1-1-32,VAV 1-1-34,VAV 1-1-37,VAV 1-1-38,VAV 1-2-04,VAV 1-2-05,VAV 1-2-10,VAV 1-2-15,VAV 1-2-20,VAV 1-2-21,VAV 1-2-23,VAV 1-2-24,VAV 1-2-25,VAV 1-2-27,VAV 1-2-29,VAV 1-2-31,VAV 1-2-32,VAV 1-2-33,VAV 1-2-34,VAV 1-2-35,VAV 1-2-37,VAV 1-2-38,VAV 1-2-39,VAV 1-2-40,VAV 1-3-03,VAV 1-3-06,VAV 1-3-07,VAV 1-3-08,VAV 1-3-09,VAV 1-3-10,VAV 2-3-01,VAV 2-3-02,VAV 2-3-04,VAV 2-3-05,VAV 2-3-06,VAV 2-3-09,VAV 2-3-11,VAV 2-3-13,VAV 2-3-14,VAV 2-3-15,VAV 2-3-16A,VAV 2-3-16B,VAV 2-3-18,VAV 2-3-19,VAV 2-4-13B,VAV 1-1-01B,VAV 1-1-24,VAV 1-1-35,VAV 1-1-36,VAV 1-2-03,VAV 1-2-06,VAV 1-2-11,VAV 1-2-13,VAV 1-2-14,VAV 1-3-09a,VAV 2-3-07,VAV 2-3-08,VAV 2-3-17,VAV 2-3-20,VAV 2-3-21,VAV 2-4-21,VAV 2-5-23,VAV 2-4-7,VAV 1-1-01B,VAV 1-1-02,VAV 1-1-04,VAV 1-1-05,VAV 1-1-09,VAV 1-1-11,VAV 1-1-12,VAV 1-1-13B,VAV 1-1-16,VAV 1-1-18,VAV 1-1-19,VAV 1-1-20,VAV 1-1-21,VAV 1-1-22,VAV 1-1-23,VAV 1-1-24,VAV 1-1-26,VAV 1-1-28,VAV 1-1-32,VAV 1-1-34,VAV 1-1-35,VAV 1-1-36,VAV 1-1-37,VAV 1-1-38,VAV 1-2-03,VAV 1-2-04,VAV 1-2-05,VAV 1-2-06,VAV 1-2-10,VAV 1-2-11,VAV 1-2-13,VAV 1-2-14,VAV 1-2-15,VAV 1-2-20,VAV 1-2-21,VAV 1-2-23,VAV 1-2-24,VAV 1-2-25,VAV 1-2-27,VAV 1-2-29,VAV 1-2-31,VAV 1-2-32,VAV 1-2-33,VAV 1-2-34,VAV 1-2-35,VAV 1-2-37,VAV 1-2-38,VAV 1-2-39,VAV 1-2-40,VAV 1-3-03,VAV 1-3-06,VAV 1-3-07,VAV 1-3-08,VAV 1-3-09,VAV 1-3-10,VAV 2-3-01,VAV 2-3-02,VAV 2-3-04,VAV 2-3-05,VAV 2-3-06,VAV 2-3-07,VAV 2-3-08,VAV 2-3-09,VAV 2-3-11,VAV 2-3-13,VAV 2-3-14,VAV 2-3-15,VAV 2-3-16A,VAV 2-3-16B,VAV 2-3-17,VAV 2-3-18,VAV 2-3-19,VAV 2-3-20,VAV 2-3-21,VAV 2-4-13B,VAV 2-4-21,VAV 2-5-23,VAV 2-3-02,VAV 2-4-13a,VAV 2-4-7,VAV 2-4-13a,VAV 2-4-15,VAV 2-4-16,VAV 2-5-15,VAV 2-5-16**

General

Furnish and install Single Duct Air Terminal Units. The units shall be the size and capacity as outlined in the plans and specifications. Casing dimensions shall be checked to ensure the terminals fit the available space.

Quality, Agency, Standards

Air terminals shall be certified under the Air Conditioning, Heating and Refrigeration Institute (AHRI) Standard 880-08 Certification Program and carry the AHRI seal. All NC values shall be calculated per AHRI Standard 885-08. Units with NC values calculated per AHRI-885-90 or 98 will not be accepted. Terminal units shall be either ETL® or UL® listed as a complete assembly. Terminal electrical components, including actuators and low voltage controls shall be UL® listed. All electrical components including both line voltage and low voltage shall be mounted in a metal control enclosure. Units shall have a single point field wiring connection. Units shall be manufactured and wired per UL-1995 and in accordance with the National Electric Code.

Shipping

All terminals shall be shipped as a single unit requiring no field assembly. Accessories including hot water coils and electric heaters shall be factory mounted.

Sound Rating

The terminal manufacturer shall provide AHRI certified sound power data for radiated and discharge sound. All NC values shall be calculated per AHRI standard 885-98. Verify sound ratings for the terminal do not exceed specified value at scheduled static pressure. Sound performance shall be AHRI certified. Each individual terminal unit shall bear an AHRI label.

Casing Material : 22 Ga Construction

The terminal casing shall be constructed of minimum 22 gauge galvanized steel.

Mounting Brackets : Brackets- Hanger Brackets

Air terminals shall be provided with four (4) metal 'L' hanger brackets and shall be shipped loose for field installation. Each hanger bracket shall be provided with a 5/8"diameter hole and a vibration isolation grommet.

Outlet : Slip and Drive Connection

Air terminals shall have a slip and drive connection on the discharge.

Liner : Solid Metal w/ 1" Insulation

Air Terminals shall be internally insulated and thoroughly sealed with solid metal/double walled liner to completely isolate the internal (1”) thick, 1.5lb. /ft3 dual density fiberglass insulation from the airstream. The insulation shall provide a virtually non-destructible, non-porous duct surface and shall inhibit bacteria growth. Internal insulation shall comply with UL 181 and NFPA 90A.

Handing : Handing- Control And Reheat(electric or water) Connections On Left

Air terminals shall have the controls and reheat connections located on the left side when looking in the direction of the air flow.

Handing : Handing- Control And Reheat(electric or water) Connections On Right

Air terminals shall have the controls and reheat connections located on the right side when looking in the direction of the air flow.

Airflow Sensor : Center Averaging Flow Sensor

The inlet flow sensor shall be a center averaging flow sensor.

Transformer : Transformer- 277/24 Volt, 50VA

Air terminals shall have a 277/24 volt, 50 VA, step down transformer. The transformer shall be mounted on top of a 2 x 4" 'J' box inside the control enclosure.

Fusing : Primary fusing on transformer

The control trasnformer shall be provided with primary fusing on the transformer to protect the transformer during over curent conditions.

Fusing : Secondary fusing on transfomer

The control transformer shall be provided with secondary fusing on the transformer to protect the transformer control circuit during over curent conditions.

Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Air terminals shall have a control enclosure and a control mounting plate with offsets to prevent penetration of the air terminal casing when installing controls.

Toggle Switch : Toggle Disconnect Switch

Fan powered terminals shall have a toggle disconnect switch to de-energize the fan motor.

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
3	Parallel Fan Powered Air Terminal Unit	FVI C7 5 14 C HW 2 58 Z10 27 37 Z02 103 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 1-1-01A, VAV 1-1-01A, VAV 1-1-01A

Selected Options

C7	Unit Case Size : Case Size 7
14	Inlet Size : Inlet Size 14 (Min: 325 /Max: 3250 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
2	Hot Water Coil Rows : 2 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
103	Damper Shaft : Solid Damper Shaft Bolted To Damper
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
9	Parallel Fan Powered Air Terminal Unit	FVI C5 5 12 C HW 2 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 1-1-03, VAV 1-2-17, VAV 1-3-05, VAV 1-1-03, VAV 1-2-17, VAV 1-3-05, VAV 1-1-03, VAV 1-2-17, VAV 1-3-05

Selected Options

C5	Unit Case Size : Case Size 5
12	Inlet Size : Inlet Size 12 (Min: 235 /Max: 2350 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
2	Hot Water Coil Rows : 2 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
3	Parallel Fan Powered Air Terminal Unit	FVI C5 5 12 C HW 3 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 1-1-06, VAV 1-1-06, VAV 1-1-06

Selected Options

C5	Unit Case Size : Case Size 5
12	Inlet Size : Inlet Size 12 (Min: 235 /Max: 2350 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
3	Hot Water Coil Rows : 3 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
20	Parallel Fan Powered Air Terminal Unit	FVI C3 5 10 C HW 2 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 1-1-07, VAV 1-1-17, VAV 1-1-31, VAV 1-2-02, VAV 1-2-12, VAV 2-3-10, VAV 1-1-07, VAV 1-1-17, VAV 1-1-31, VAV 1-2-02, VAV 1-2-12, VAV 2-3-10, VAV 2-5-14, VAV 1-1-07, VAV 1-1-17, VAV 1-1-31, VAV 1-2-02, VAV 1-2-12, VAV 2-3-10, VAV 2-5-14

Selected Options

C3	Unit Case Size : Case Size 3
10	Inlet Size : Inlet Size 10 (Min: 165 /Max: 1640 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
2	Hot Water Coil Rows : 2 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
3	Parallel Fan Powered Air Terminal Unit	FVI C3 5 10 C HW 3 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 1-1-08, VAV 1-1-08, VAV 1-1-08

Selected Options

C3	Unit Case Size : Case Size 3
10	Inlet Size : Inlet Size 10 (Min: 165 /Max: 1640 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
3	Hot Water Coil Rows : 3 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
3	Parallel Fan Powered Air Terminal Unit	FVI C3 5 08 C HW 2 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 1-1-10, VAV 1-1-10, VAV 1-1-10

Selected Options

C3	Unit Case Size : Case Size 3
08	Inlet Size : Inlet Size 08 (Min: 100 /Max: 990 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
2	Hot Water Coil Rows : 2 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
21	Parallel Fan Powered Air Terminal Unit	FVI C2 5 10 C HW 2 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 1-1-13A, VAV 1-1-13A, VAV 2-4-08, VAV 2-4-09, VAV 2-4-14, VAV 2-4-22, VAV 2-5-07, VAV 2-5-08, VAV 2-5-09, VAV -5-21, VAV 2-5-22, VAV 1-1-13A, VAV 2-4-08, VAV 2-4-09, VAV 2-4-14, VAV 2-4-22, VAV 2-5-07, VAV 2-5-08, VAV 2-5-09, VAV 2-5-21, VAV 2-5-22

Selected Options

C2	Unit Case Size : Case Size 2
10	Inlet Size : Inlet Size 10 (Min: 165 /Max: 1640 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
2	Hot Water Coil Rows : 2 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
6	Parallel Fan Powered Air Terminal Unit	FVI C2 5 08 C HW 2 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 1-1-14, VAV 2-3-03, VAV 1-1-14, VAV 2-3-03, VAV 1-1-14, VAV 2-3-03

Selected Options

C2	Unit Case Size : Case Size 2
08	Inlet Size : Inlet Size 08 (Min: 100 /Max: 990 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
2	Hot Water Coil Rows : 2 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
63	Parallel Fan Powered Air Terminal Unit	FVI C3 5 12 C HW 2 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): **VAV 1-1-25, VAV 1-2-07, VAV 1-2-08, VAV 1-2-09, VAV 1-2-18, VAV 1-3-01, VAV 1-3-04, VAV 1-1-25, VAV 1-2-07, VAV 1-2-08, VAV 1-2-09, VAV 1-2-18, VAV 1-3-01, VAV 1-3-04, VAV 2-4-02, VAV 2-4-03, VAV 2-4-04, VAV 2-4-06, VAV 2-4-10, VAV 2-4-11, VAV 2-4-17, VAV 2-4-18, VAV 2-4-19, VAV 2-4-20, VAV 2-5-02, VAV 2-5-03, VAV 2-5-04, VAV 2-5-05, VAV 2-5-06, VAV 2-5-10, VAV 2-5-11, VAV 2-5-17, VAV 2-5-18, VAV 2-5-19, VAV 2-5-20, VAV 1-1-25, VAV 1-2-07, VAV 1-2-08, VAV 1-2-09, VAV 1-2-18, VAV 1-3-01, VAV 1-3-04, VAV 2-4-02, VAV 2-4-03, VAV 2-4-04, VAV 2-4-06, VAV 2-4-10, VAV 2-4-11, VAV 2-4-17, VAV 2-4-18, VAV 2-4-19, VAV 2-4-20, VAV 2-5-02, VAV 2-5-03, VAV 2-5-04, VAV 2-5-05, VAV 2-5-06, VAV 2-5-10, VAV 2-5-11, VAV 2-5-17, VAV 2-5-18, VAV 2-5-19, VAV 2-5-20**

Selected Options

C3	Unit Case Size : Case Size 3
12	Inlet Size : Inlet Size 12 (Min: 235 /Max: 2350 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
2	Hot Water Coil Rows : 2 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
6	Parallel Fan Powered Air Terminal Unit	FVI C7 5 14 C HW 2 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 1-2-01, VAV 1-2-16, VAV 1-2-01, VAV 1-2-16, VAV 1-2-01, VAV 1-2-16

Selected Options

C7	Unit Case Size : Case Size 7
14	Inlet Size : Inlet Size 14 (Min: 325 /Max: 3250 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
2	Hot Water Coil Rows : 2 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
3	Parallel Fan Powered Air Terminal Unit	FVI C1 5 08 C HW 2 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 1-3-02, VAV 1-3-02, VAV 1-3-02

Selected Options

C1	Unit Case Size : Case Size 1
08	Inlet Size : Inlet Size 08 (Min: 100 /Max: 990 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
2	Hot Water Coil Rows : 2 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
4	Parallel Fan Powered Air Terminal Unit	FVI C6 5 14 C HW 2 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 2-4-01, VAV 2-5-01, VAV 2-4-01, VAV 2-5-01

Selected Options

C6	Unit Case Size : Case Size 6
14	Inlet Size : Inlet Size 14 (Min: 325 /Max: 3250 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
2	Hot Water Coil Rows : 2 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

Product Data: Parallel Fan Powered Air Terminal Unit

Qty	Description	Model Number
4	Parallel Fan Powered Air Terminal Unit	FVI C6 5 12 C HW 2 58 Z10 27 37 Z02 77 Z88 Z23 82 20 92 93 29 NON 800B 40 Z01

Tag(s): VAV 2-4-12, VAV 2-5-12, VAV 2-4-12, VAV 2-5-12

Selected Options

C6	Unit Case Size : Case Size 6
12	Inlet Size : Inlet Size 12 (Min: 235 /Max: 2350 CFM)
C	Fan Voltage : 277 V
HW	Heating Type : Hot Water Heat
2	Hot Water Coil Rows : 2 Row Hot Water Coil
58	Fan Motor : ECM Motor-VCU Control, manual adjustment, typically used on Series Fan
Z10	Casing Material : Construction- 20 Ga construction
27	Mounting Brackets : Brackets- Hanger Brackets
37	Attenuator : Induction Attenuator
Z02	Fan Access Door : Bottom Mount Fan Motor Acess Door, Zip Screw
77	Liner : 1" Foil Faced 1 1/2 lbs.
Z88	Handing : Handing- Control And Reheat(electric or water) Connections On Left
Z23	Airflow Sensor : Center Averaging Flow Sensor
82	Outlet : Slip and Drive Connection
20	Transformer : Transformer- 277/24 Volt, 50VA
92	Fusing : Primary fusing on transformer
93	Fusing : Secondary fusing on transfomer
29	Disconnect Switch : Toggle Disconnect Switch
NON	Control Type (Select Control Sequence Second) : No Control Field Supplied/Mounted
800B	Control Sequence (Select Control Type First) : 800B- Base Unit with No Controls
40	Fins Per Inch : 12 Fins Per Inch
Z01	Control Enclosure : Enclosure & Mounting Plate, Std Control Panel Enclosure and Std. Mntg Plate

METALAIRE

Model FVI-C7-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-01A**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C7	14	30x20	3250	325	1.000	0.250	0.103	0.412	36	30



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2500 CFM	**1000** CFM	**ECM VCU**	**1**	**0.56** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
71.91 MBH	**2700**	**55.00** °F	**89.93** °F	**89.93** °F	**140.00** °F	**119.07** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.31** in. H2O	**4.24** ft. H2O	**7.21** GPM	**Propylene Glycol**	**25.00**

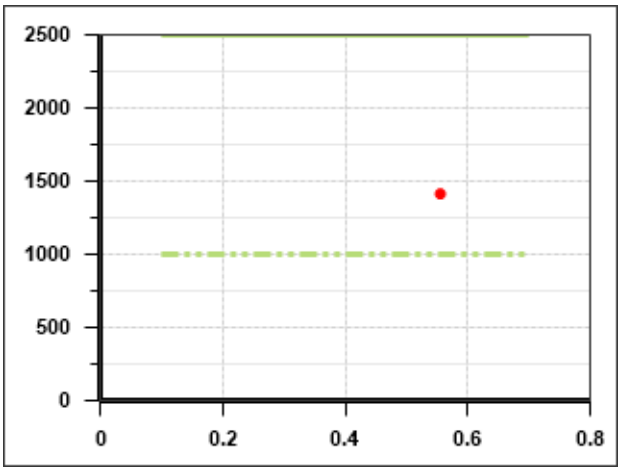
Design Air Flow

Max Primary:	**2700** CFM
Min Primary:	**1300** CFM
Fan Airflow:	**1400** CFM
Primary Heating Airflow:	**1300** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	59	46	45	50	42	37	
Max Heating	71	63	58	60	46	44	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	53	44	38	34	15	8	36

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	69	64	57	56	52	50	
Max Heating	71	68	70	65	64	67	
Total Attenuation	29	30	41	51	52	39	
Room Sound Level	42	38	29	14	12	28	30

METALAIRE

Model FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-03**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.090**	**0.407**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2000 CFM	**400** CFM	**ECM VCU**	**1**	**0.57** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
43.36 MBH	**1600**	**55.00** °F	**89.99** °F	**89.99** °F	**140.00** °F	**121.16** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.32** in. H2O	**2.92** ft. H2O	**4.83** GPM	**Propylene Glycol**	**25.00**

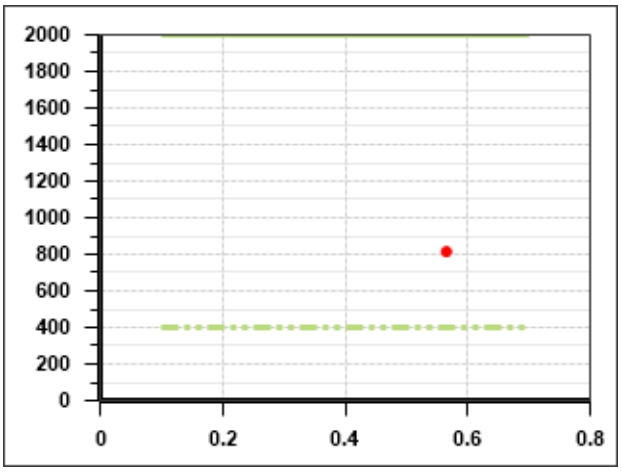
Design Air Flow

Max Primary:	**1600** CFM
Min Primary:	**800** CFM
Fan Airflow:	**800** CFM
Primary Heating Airflow:	**800** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**48**	**43**	**35**	**38**	**27**	**21**	
Max Heating	**57**	**50**	**44**	**42**	**34**	**34**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**31**	**24**	**16**	**3**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**53**	**46**	**45**	**40**	**35**	
Max Heating	**60**	**56**	**50**	**46**	**43**	**40**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**31**	**26**	**9**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-06**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.095**	**0.523**	**22**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2000 CFM	**400** CFM	**ECM VCU**	**1**	**0.68** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
31.09 MBH	**1350**	**55.00** °F	**90.01** °F	**90.01** °F	**140.00** °F	**103.79** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
3	**12**	**0.43** in. H2O	**0.27** ft. H2O	**1.80** GPM	**Propylene Glycol**	**25.00**

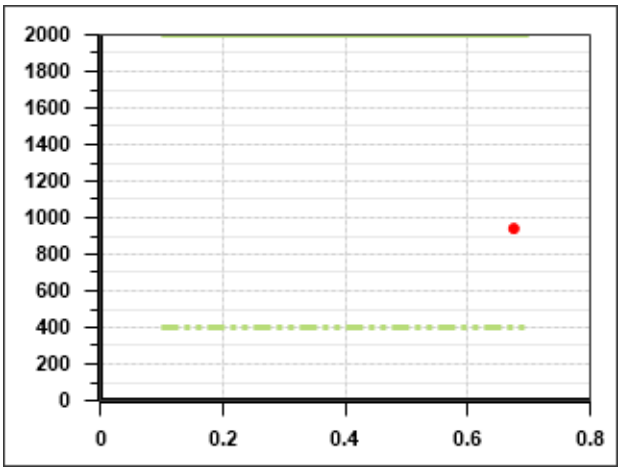
Design Air Flow

Max Primary:	**1500** CFM
Min Primary:	**420** CFM
Fan Airflow:	**930** CFM
Primary Heating Airflow:	**420** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**50**	**44**	**37**	**41**	**29**	**24**	
Max Heating	**60**	**52**	**47**	**46**	**38**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**42**	**33**	**27**	**20**	**7**	**1**	**22**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**54**	**48**	**48**	**42**	**38**	
Max Heating	**63**	**58**	**57**	**54**	**51**	**48**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**28**	**16**	**3**	**0**	**9**	**< 15**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-07**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.138**	**0.337**	**30**	**21**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.45**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
26.75	MBH	**1200**	**55.00**	°F	**91.22**	°F	**91.22**	°F	**140.00**	°F	**114.49**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.20**	in. H2O	**0.62**	ft. H2O	**2.20**	GPM	**Propylene Glycol**	**25.00**

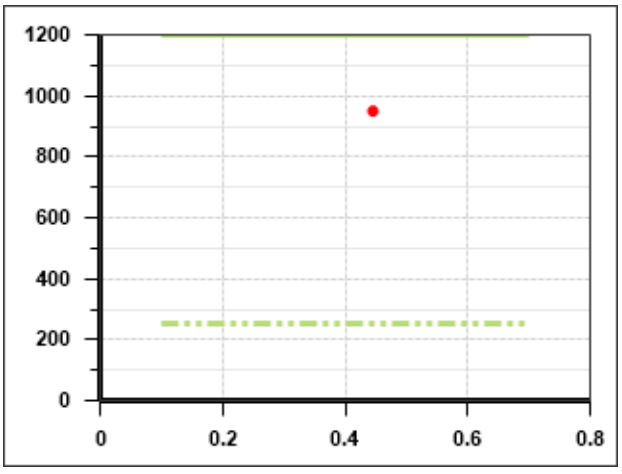
Design Air Flow

Max Primary:	**1200**	CFM
Min Primary:	**260**	CFM
Fan Airflow:	**940**	CFM
Primary Heating Airflow:	**260**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**43**	**46**	**35**	**30**	
Max Heating	**66**	**60**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**41**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**70**	**63**	**60**	**61**	**58**	**57**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**41**	**33**	**19**	**10**	**6**	**18**	**21**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-08**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.109**	**0.331**	**22**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.47**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
26.07	MBH	**1000**	**55.00**	°F	**90.64**	°F	**90.64**	°F	**140.00**	°F	**97.97**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**12**	**0.22**	in. H2O	**0.14**	ft. H2O	**1.30**	GPM	**Propylene Glycol**	**25.00**

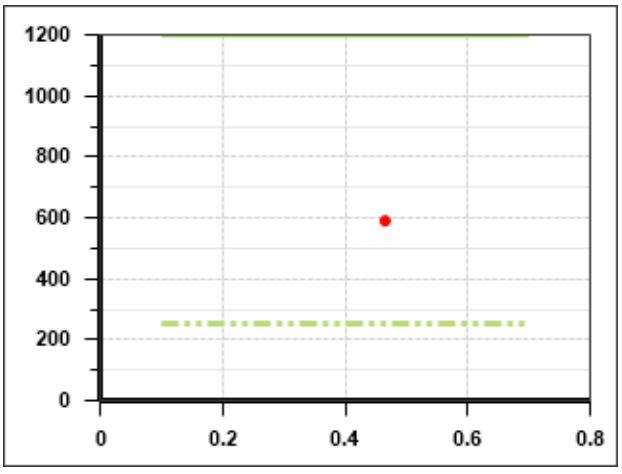
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**420**	CFM
Fan Airflow:	**580**	CFM
Primary Heating Airflow:	**420**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**40**	**44**	**32**	**24**	
Max Heating	**59**	**54**	**48**	**49**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**41**	**35**	**28**	**23**	**6**	**1**	**22**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**49**	**51**	**45**	**37**	
Max Heating	**60**	**57**	**52**	**49**	**48**	**42**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**33**	**28**	**12**	**0**	**0**	**3**	**< 15**

METALAIRE

Model FVI-C3-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-10**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**08**	**20x17.5**	**990**	**100**	**1.000**	**0.250**	**0.116**	**0.199**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.33**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
15.84	MBH	**700**	**55.00**	°F	**90.15**	°F	**90.15**	°F	**140.00**	°F	**103.10**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.08**	in. H2O	**0.11**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

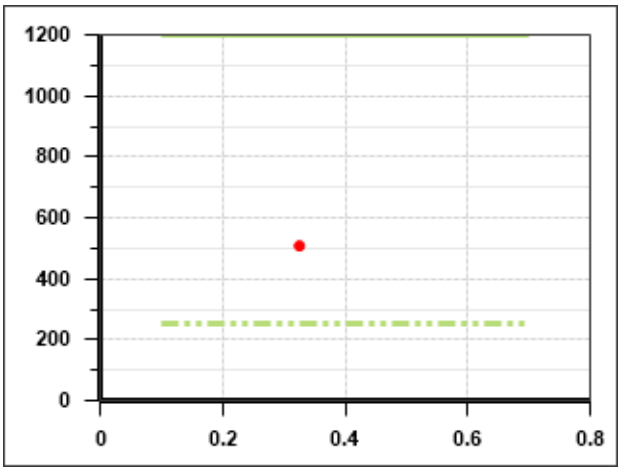
Design Air Flow

Max Primary:	**700**	CFM
Min Primary:	**200**	CFM
Fan Airflow:	**500**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**44**	**47**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-13A**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C2	10	16x15	1640	165	1.000	0.250	0.053	0.304	16	0



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
750 CFM	100 CFM	ECM VCU	1/3	0.50 in. H2O	277/1	2.40	3.00	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
31.54 MBH	900	55.00 °F	89.98 °F	89.98 °F	140.00 °F	126.37 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.25 in. H2O	2.56 ft. H2O	4.86 GPM	Propylene Glycol	25.00

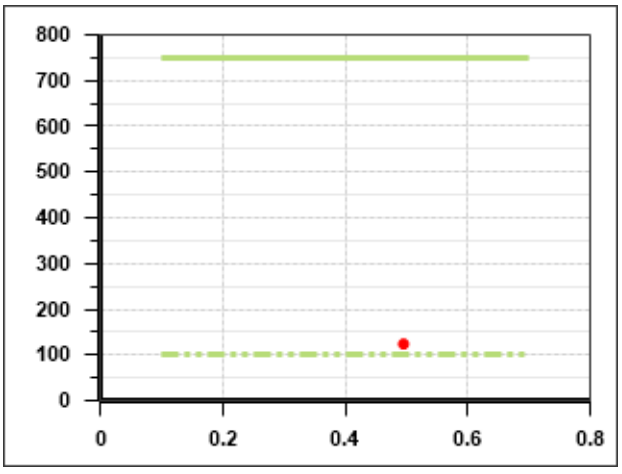
Design Air Flow

Max Primary:	**950** CFM
Min Primary:	**780** CFM
Fan Airflow:	**120** CFM
Primary Heating Airflow:	**780** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	48	33	26	27	18	19	
Max Heating	55	47	39	41	32	30	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	37	28	19	15	1	0	16

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	58	43	36	34	31	26	
Max Heating	55	49	47	47	42	36	
Total Attenuation	24	28	39	53	59	40	
Room Sound Level	31	21	8	0	0	0	< 15

METALAIRE

Model FVI-C2-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-14**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**08**	**16x15**	**990**	**100**	**1.000**	**0.250**	**0.110**	**0.246**	**25**	**15**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.39**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
14.97	MBH	**650**	**55.00**	°F	**90.09**	°F	**90.09**	°F	**140.00**	°F	**113.82**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.14**	in. H2O	**0.16**	ft. H2O	**1.20**	GPM	**Propylene Glycol**	**25.00**

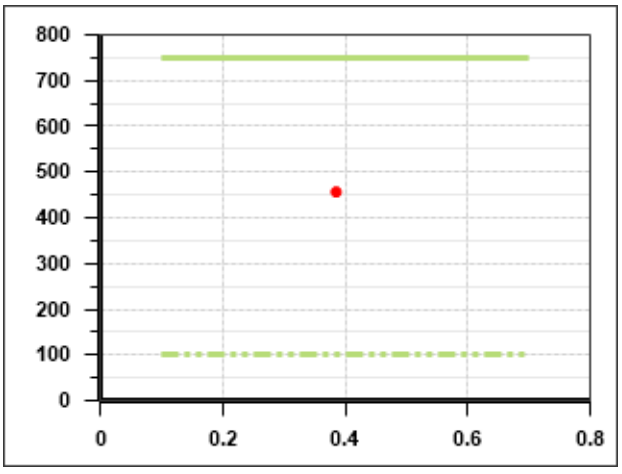
Design Air Flow

Max Primary:	**650**	CFM
Min Primary:	**200**	CFM
Fan Airflow:	**450**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**52**	**41**	**34**	**36**	**25**	**28**	
Max Heating	**62**	**54**	**45**	**46**	**37**	**34**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**44**	**35**	**25**	**20**	**6**	**0**	**25**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**63**	**52**	**46**	**46**	**41**	**36**	
Max Heating	**58**	**53**	**53**	**52**	**47**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**36**	**23**	**6**	**0**	**0**	**0**	**15**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-17**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.099**	**0.259**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.41**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
30.23	MBH	**1050**	**55.00**	°F	**90.12**	°F	**90.12**	°F	**140.00**	°F	**115.13**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.16**	in. H2O	**0.83**	ft. H2O	**2.55**	GPM	**Propylene Glycol**	**25.00**

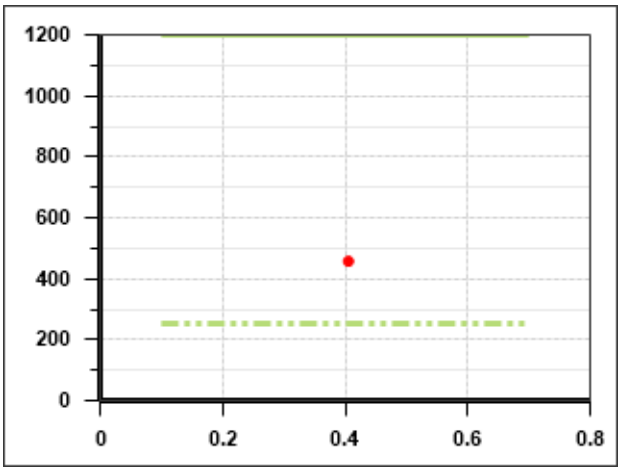
Design Air Flow

Max Primary:	**1050**	CFM
Min Primary:	**600**	CFM
Fan Airflow:	**450**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**39**	**38**	**42**	**30**	**22**	
Max Heating	**56**	**50**	**45**	**46**	**35**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**38**	**31**	**25**	**20**	**4**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**54**	**47**	**49**	**43**	**34**	
Max Heating	**55**	**52**	**46**	**41**	**46**	**37**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**28**	**23**	**6**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-25**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.098**	**0.384**	**32**	**22**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.54**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
34.30	MBH	**1500**	**55.00**	°F	**89.95**	°F	**89.95**	°F	**140.00**	°F	**116.17**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.29**	in. H2O	**1.16**	ft. H2O	**3.02**	GPM	**Propylene Glycol**	**25.00**

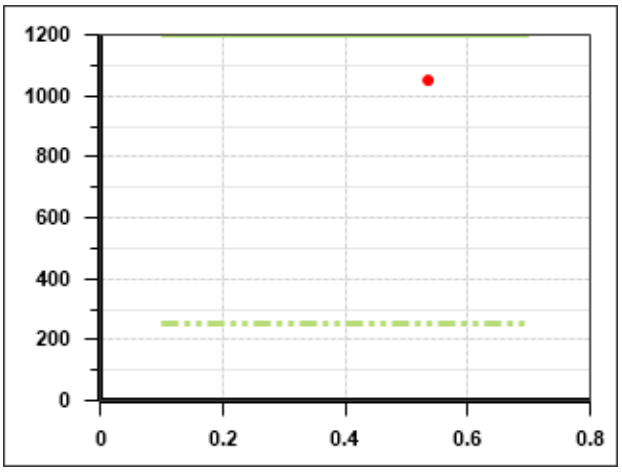
Design Air Flow

Max Primary:	**1500**	CFM
Min Primary:	**460**	CFM
Fan Airflow:	**1040**	CFM
Primary Heating Airflow:	**460**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**47**	**44**	**47**	**36**	**30**	
Max Heating	**68**	**62**	**54**	**55**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**50**	**43**	**34**	**29**	**12**	**7**	**32**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**71**	**65**	**61**	**61**	**59**	**58**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**35**	**20**	**10**	**7**	**19**	**22**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-31**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.121**	**0.246**	**26**	**16**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.38**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
18.57	MBH	**900**	**55.00**	°F	**90.03**	°F	**90.03**	°F	**140.00**	°F	**107.54**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.13**	in. H2O	**0.19**	ft. H2O	**1.20**	GPM	**Propylene Glycol**	**25.00**

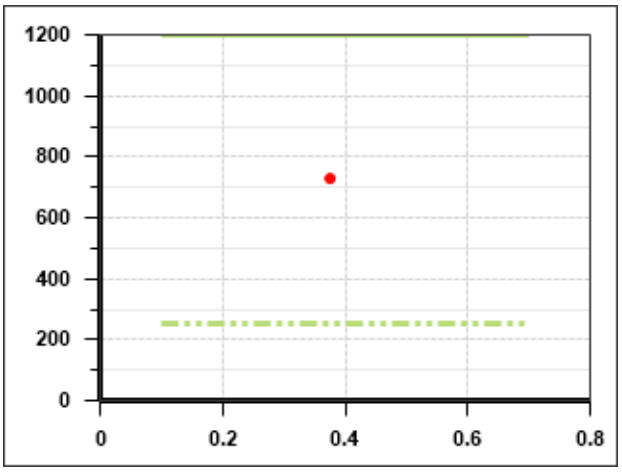
Design Air Flow

Max Primary:	**900**	CFM
Min Primary:	**180**	CFM
Fan Airflow:	**720**	CFM
Primary Heating Airflow:	**180**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**44**	**41**	**45**	**33**	**28**	
Max Heating	**63**	**57**	**51**	**52**	**40**	**40**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**45**	**38**	**31**	**26**	**9**	**4**	**26**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**59**	**50**	**52**	**47**	**41**	
Max Heating	**64**	**60**	**57**	**56**	**51**	**47**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**35**	**30**	**16**	**5**	**0**	**8**	**16**

METALAIRE

Model FVI-C7-514

Project: HOG Pinnacle 11-7-25
Tag: VAV 1-2-01
Altitude: 0 Feet

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C7	14	30x20	3250	325	1.000	0.250	0.115	0.370	36	30



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2500 CFM	1000 CFM	ECM VCU	1	0.51 in. H2O	277/1	6.20	7.75	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
55.20 MBH	2400	55.00 °F	90.04 °F	90.04 °F	140.00 °F	113.74 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.26 in. H2O	1.61 ft. H2O	4.41 GPM	Propylene Glycol	25.00

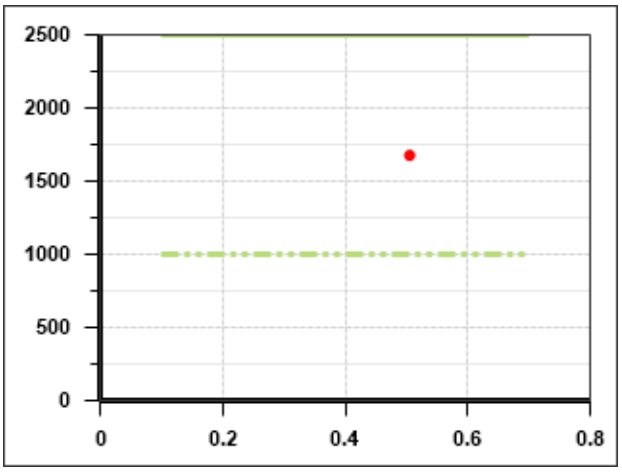
Design Air Flow

Max Primary:	2400 CFM
Min Primary:	740 CFM
Fan Airflow:	1660 CFM
Primary Heating Airflow:	740 CFM

Accessories:

Heating Coil:	HW
Inlet:	Attenuator
Outlet:	No Attenuator

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	61	49	48	54	45	40	
Max Heating	71	63	58	60	46	44	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	53	44	38	34	15	8	36

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	72	66	58	57	54	52	
Max Heating	71	68	70	65	64	67	
Total Attenuation	29	30	41	51	52	39	
Room Sound Level	42	38	29	14	12	28	30

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-02**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.120**	**0.293**	**26**	**16**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.42**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
26.41	MBH	**1050**	**55.00**	°F	**91.72**	°F	**91.72**	°F	**140.00**	°F	**114.81**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.17**	in. H2O	**0.62**	ft. H2O	**2.20**	GPM	**Propylene Glycol**	**25.00**

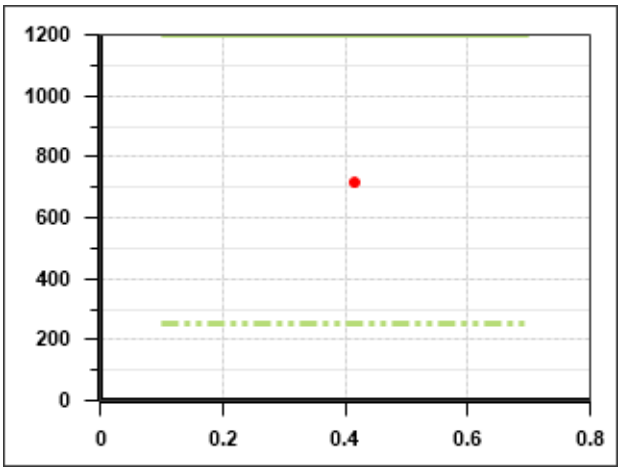
Design Air Flow

Max Primary:	**1100**	CFM
Min Primary:	**340**	CFM
Fan Airflow:	**710**	CFM
Primary Heating Airflow:	**340**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**44**	**41**	**45**	**33**	**27**	
Max Heating	**63**	**57**	**51**	**52**	**40**	**40**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**45**	**38**	**31**	**26**	**9**	**4**	**26**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**59**	**50**	**52**	**47**	**41**	
Max Heating	**64**	**60**	**57**	**56**	**51**	**47**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**35**	**30**	**16**	**5**	**0**	**8**	**16**

METALAIRE

Model FVI-C3-512

Project: HOG Pinnacle 11-7-25
Tag: VAV 1-2-07
Altitude: 0 Feet

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C3	12	20x17.5	2350	235	1.000	0.250	0.098	0.399	32	22



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
1200 CFM	250 CFM	ECM VCU	1/2	0.55 in. H2O	277/1	3.40	4.25	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
34.68 MBH	1500	55.00 °F	89.92 °F	89.92 °F	140.00 °F	116.30 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.30 in. H2O	1.20 ft. H2O	3.07 GPM	Propylene Glycol	25.00

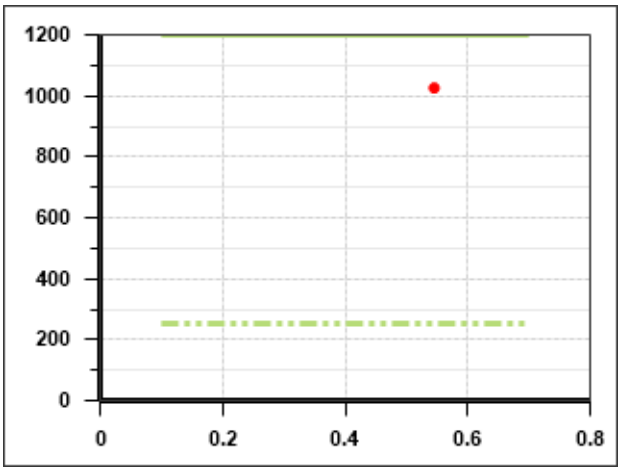
Design Air Flow

Max Primary:	1550 CFM
Min Primary:	480 CFM
Fan Airflow:	1020 CFM
Primary Heating Airflow:	480 CFM

Accessories:

Heating Coil:	HW
Inlet:	Attenuator
Outlet:	No Attenuator

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	60	47	44	47	36	30	
Max Heating	68	62	54	55	43	43	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	50	43	34	29	12	7	32

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	67	61	51	53	49	44	
Max Heating	71	65	61	61	59	58	
Total Attenuation	29	30	41	51	52	39	
Room Sound Level	42	35	20	10	7	19	22

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-08**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.098**	**0.431**	**32**	**22**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.58**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
36.06	MBH	**1550**	**55.00**	°F	**90.00**	°F	**90.00**	°F	**140.00**	°F	**116.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.33**	in. H2O	**1.36**	ft. H2O	**3.27**	GPM	**Propylene Glycol**	**25.00**

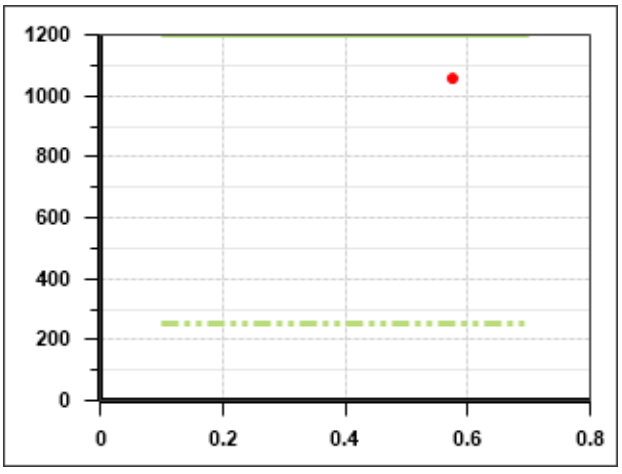
Design Air Flow

Max Primary:	**1650**	CFM
Min Primary:	**500**	CFM
Fan Airflow:	**1050**	CFM
Primary Heating Airflow:	**500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**47**	**44**	**47**	**36**	**30**	
Max Heating	**68**	**62**	**55**	**56**	**43**	**44**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**50**	**43**	**35**	**30**	**12**	**8**	**32**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**71**	**65**	**61**	**62**	**59**	**58**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**35**	**20**	**11**	**7**	**19**	**22**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-09**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.096**	**0.366**	**30**	**21**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.52**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
30.74	MBH	**1350**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**115.00**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.85**	ft. H2O	**2.58**	GPM	**Propylene Glycol**	**25.00**

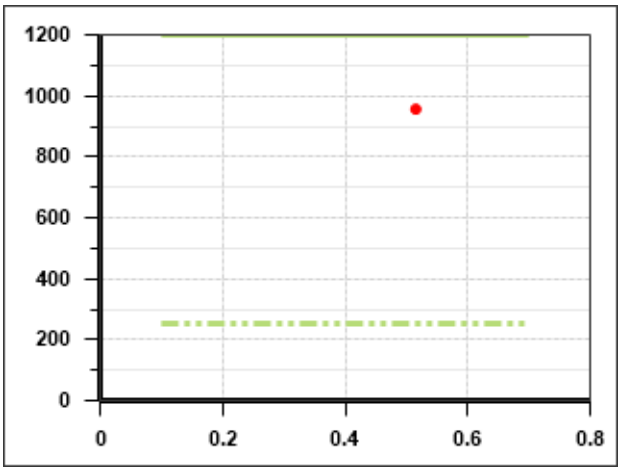
Design Air Flow

Max Primary:	**1450**	CFM
Min Primary:	**400**	CFM
Fan Airflow:	**950**	CFM
Primary Heating Airflow:	**400**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**43**	**46**	**35**	**30**	
Max Heating	**66**	**60**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**41**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**70**	**63**	**60**	**61**	**58**	**57**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**41**	**33**	**19**	**10**	**6**	**18**	**21**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-12**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.119**	**0.292**	**26**	**16**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.42**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
23.46	MBH	**1000**	**55.00**	°F	**90.63**	°F	**90.63**	°F	**140.00**	°F	**115.39**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.17**	in. H2O	**0.52**	ft. H2O	**2.00**	GPM	**Propylene Glycol**	**25.00**

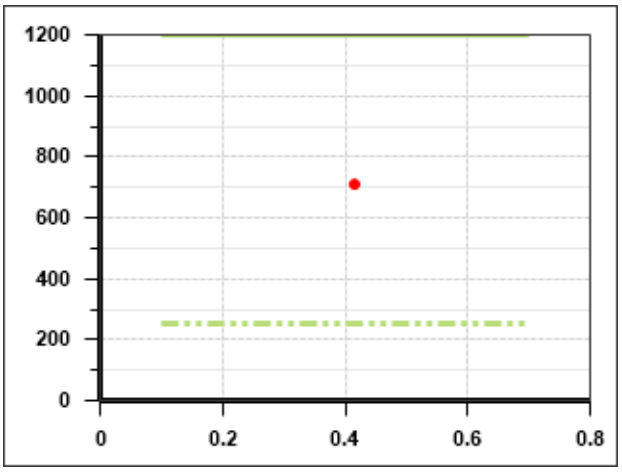
Design Air Flow

Max Primary:	**1100**	CFM
Min Primary:	**300**	CFM
Fan Airflow:	**700**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**44**	**40**	**44**	**33**	**27**	
Max Heating	**63**	**57**	**50**	**51**	**40**	**40**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**45**	**38**	**30**	**25**	**9**	**4**	**26**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**59**	**49**	**51**	**47**	**41**	
Max Heating	**63**	**60**	**57**	**55**	**51**	**47**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**30**	**16**	**4**	**0**	**8**	**16**

METALAIRE

Model FVI-C7-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-16**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C7**	**14**	**30x20**	**3250**	**325**	**1.000**	**0.250**	**0.112**	**0.359**	**36**	**30**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
2500	CFM	**1000**	CFM	**ECM VCU**	**1**	**0.50**	in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
54.46	MBH	**2350**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**113.61**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.25**	in. H2O	**1.55**	ft. H2O	**4.33**	GPM	**Propylene Glycol**	**25.00**

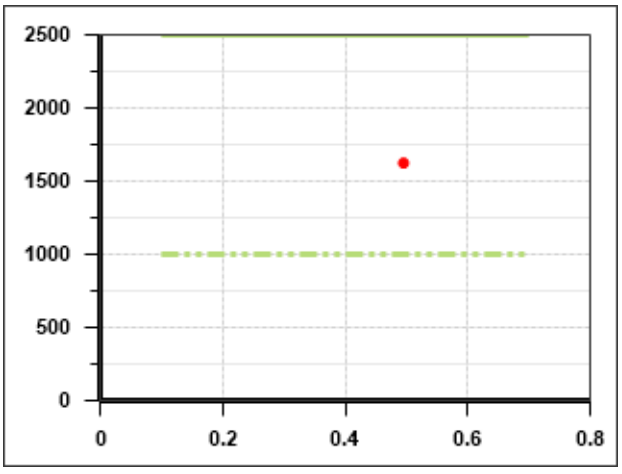
Design Air Flow

Max Primary:	**2350**	CFM
Min Primary:	**740**	CFM
Fan Airflow:	**1610**	CFM
Primary Heating Airflow:	**740**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**48**	**47**	**53**	**44**	**39**	
Max Heating	**71**	**63**	**58**	**60**	**46**	**44**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**53**	**44**	**38**	**34**	**15**	**8**	**36**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**71**	**66**	**58**	**57**	**54**	**51**	
Max Heating	**71**	**68**	**70**	**65**	**64**	**67**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**38**	**29**	**14**	**12**	**28**	**30**

METALAIRE

Model FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-17**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.107**	**0.508**	**32**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2000 CFM	**400** CFM	**ECM VCU**	**1**	**0.65** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
42.21 MBH	**1850**	**55.00** °F	**89.98** °F	**89.98** °F	**140.00** °F	**120.18** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.40** in. H2O	**2.51** ft. H2O	**4.47** GPM	**Propylene Glycol**	**25.00**

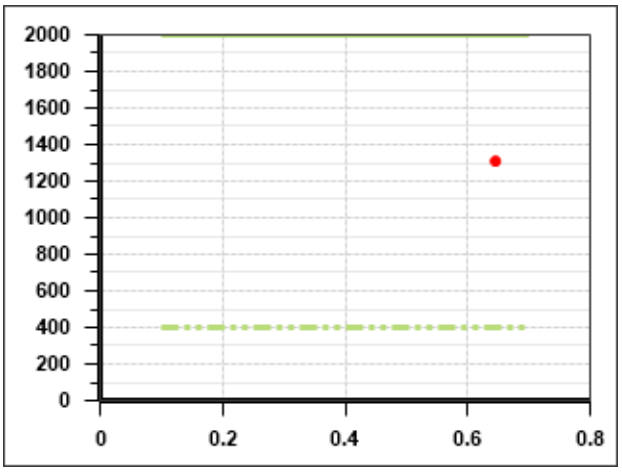
Design Air Flow

Max Primary:	**1850** CFM
Min Primary:	**560** CFM
Fan Airflow:	**1290** CFM
Primary Heating Airflow:	**560** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**55**	**48**	**40**	**44**	**33**	**27**	
Max Heating	**68**	**58**	**56**	**55**	**49**	**47**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**50**	**39**	**36**	**29**	**18**	**11**	**32**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**63**	**58**	**51**	**51**	**46**	**42**	
Max Heating	**61**	**62**	**60**	**58**	**55**	**54**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**32**	**32**	**19**	**7**	**3**	**15**	**19**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-18**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.091**	**0.304**	**29**	**18**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.46**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
29.03	MBH	**1200**	**55.00**	°F	**90.98**	°F	**90.98**	°F	**140.00**	°F	**115.14**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.21**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

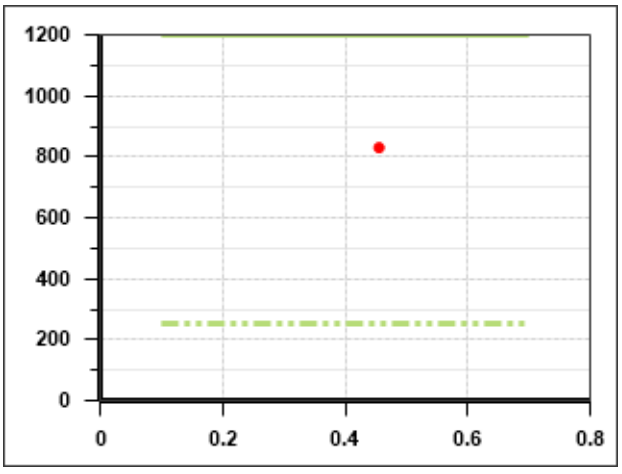
Design Air Flow

Max Primary:	**1250**	CFM
Min Primary:	**380**	CFM
Fan Airflow:	**820**	CFM
Primary Heating Airflow:	**380**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**58**	**45**	**42**	**45**	**34**	**29**	
Max Heating	**65**	**58**	**52**	**53**	**42**	**42**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**39**	**32**	**27**	**11**	**6**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**66**	**60**	**50**	**52**	**48**	**43**	
Max Heating	**66**	**61**	**58**	**58**	**55**	**51**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**37**	**31**	**17**	**7**	**3**	**12**	**18**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-01**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.094**	**0.364**	**30**	**20**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.52**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
35.18	MBH	**1450**	**55.00**	°F	**89.92**	°F	**89.92**	°F	**140.00**	°F	**116.57**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**1.26**	ft. H2O	**3.15**	GPM	**Propylene Glycol**	**25.00**

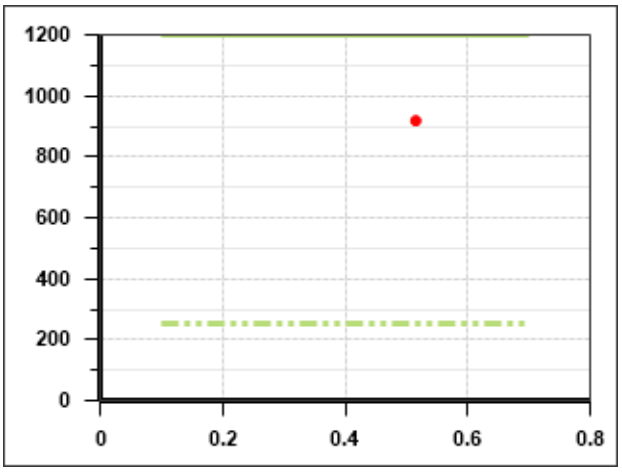
Design Air Flow

Max Primary:	**1450**	CFM
Min Primary:	**540**	CFM
Fan Airflow:	**910**	CFM
Primary Heating Airflow:	**540**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**43**	**46**	**35**	**30**	
Max Heating	**66**	**60**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**41**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**69**	**63**	**60**	**61**	**58**	**56**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**40**	**33**	**19**	**10**	**6**	**17**	**20**

METALAIRE

Model FVI-C1-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-02**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C1**	**08**	**16x15**	**990**	**100**	**1.000**	**0.250**	**0.096**	**0.326**	**29**	**15**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
600	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.48**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
27.22	MBH	**900**	**55.00**	°F	**90.00**	°F	**90.00**	°F	**140.00**	°F	**122.94**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.23**	in. H2O	**1.23**	ft. H2O	**3.35**	GPM	**Propylene Glycol**	**25.00**

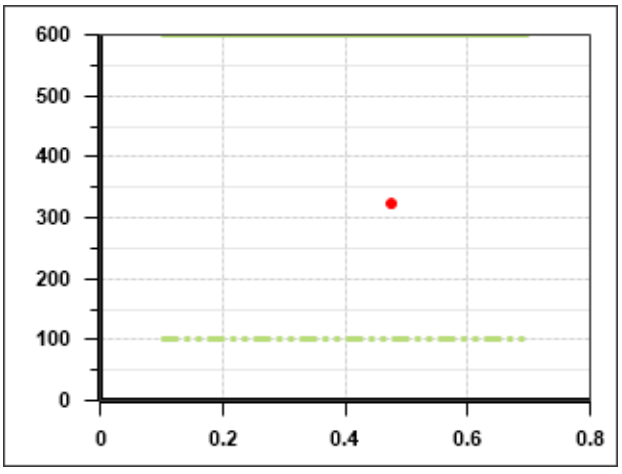
Design Air Flow

Max Primary:	**900**	CFM
Min Primary:	**580**	CFM
Fan Airflow:	**320**	CFM
Primary Heating Airflow:	**580**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**49**	**39**	**36**	**36**	**27**	**29**	
Max Heating	**65**	**58**	**51**	**53**	**44**	**41**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**39**	**31**	**27**	**13**	**5**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**47**	**44**	**38**	**39**	**38**	
Max Heating	**61**	**58**	**54**	**52**	**48**	**43**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**34**	**29**	**14**	**1**	**0**	**4**	**15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-04**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.100**	**0.417**	**34**	**24**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
36.91	MBH	**1600**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**1.46**	ft. H2O	**3.39**	GPM	**Propylene Glycol**	**25.00**

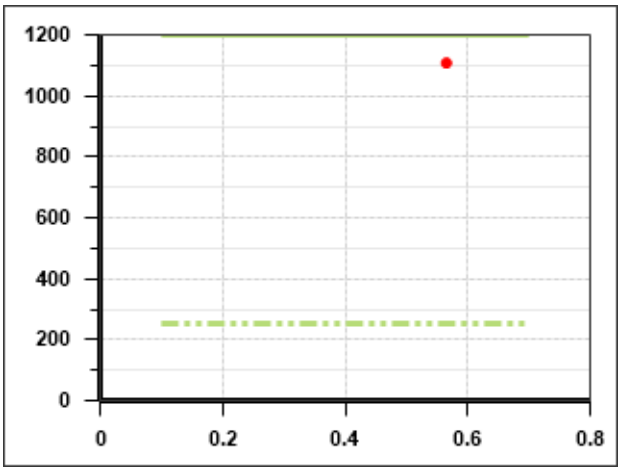
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**500**	CFM
Fan Airflow:	**1100**	CFM
Primary Heating Airflow:	**500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**48**	**44**	**47**	**36**	**30**	
Max Heating	**69**	**63**	**55**	**56**	**44**	**44**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**51**	**44**	**35**	**30**	**13**	**8**	**34**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**71**	**66**	**61**	**62**	**59**	**58**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**36**	**20**	**11**	**7**	**19**	**24**

METALAIRE

Model FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-05**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.105**	**0.489**	**31**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2000 CFM	**400** CFM	**ECM VCU**	**1**	**0.63** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
41.26 MBH	**1800**	**55.00** °F	**89.91** °F	**89.91** °F	**140.00** °F	**118.57** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.38** in. H2O	**2.05** ft. H2O	**4.04** GPM	**Propylene Glycol**	**25.00**

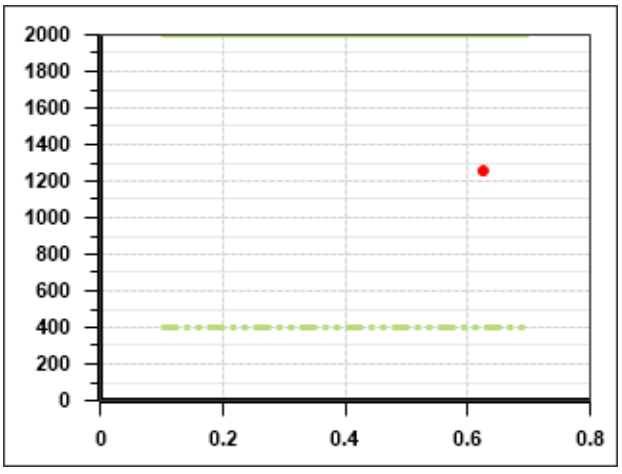
Design Air Flow

Max Primary:	**1800** CFM
Min Primary:	**560** CFM
Fan Airflow:	**1240** CFM
Primary Heating Airflow:	**560** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**47**	**40**	**43**	**32**	**27**	
Max Heating	**67**	**57**	**55**	**54**	**48**	**46**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**49**	**38**	**35**	**28**	**17**	**10**	**31**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**63**	**57**	**51**	**51**	**45**	**41**	
Max Heating	**60**	**62**	**59**	**57**	**54**	**53**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**31**	**32**	**18**	**6**	**2**	**14**	**19**

METALAIRE

Model FVI-C2-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-03**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**08**	**16x15**	**990**	**100**	**1.000**	**0.250**	**0.086**	**0.175**	**16**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.34**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
14.34	MBH	**500**	**55.00**	°F	**90.25**	°F	**90.25**	°F	**140.00**	°F	**112.64**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.09**	in. H2O	**0.14**	ft. H2O	**1.10**	GPM	**Propylene Glycol**	**25.00**

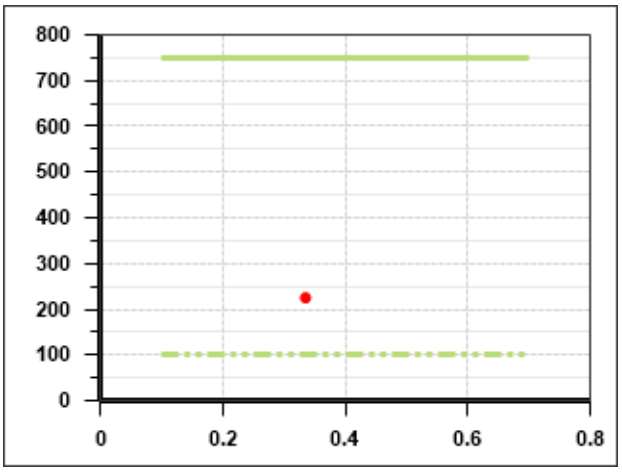
Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**280**	CFM
Fan Airflow:	**220**	CFM
Primary Heating Airflow:	**280**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**48**	**34**	**27**	**28**	**19**	**20**	
Max Heating	**55**	**47**	**39**	**41**	**32**	**30**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**28**	**19**	**15**	**1**	**0**	**16**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**58**	**44**	**37**	**36**	**32**	**27**	
Max Heating	**55**	**49**	**47**	**47**	**42**	**36**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**31**	**21**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-10**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.132**	**0.345**	**30**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.46**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
29.32	MBH	**1250**	**55.00**	°F	**90.54**	°F	**90.54**	°F	**140.00**	°F	**114.90**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.21**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

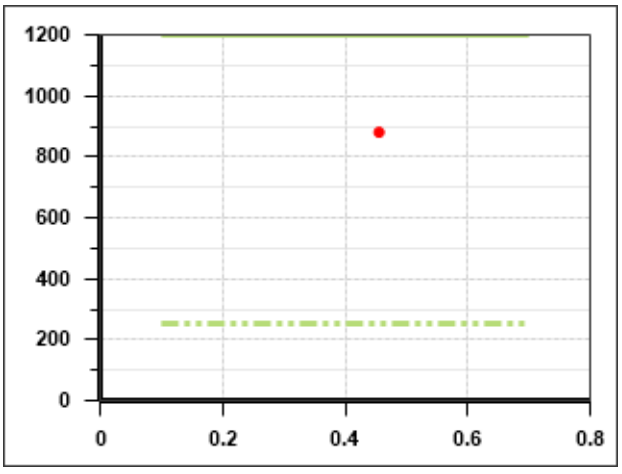
Design Air Flow

Max Primary:	**1250**	CFM
Min Primary:	**380**	CFM
Fan Airflow:	**870**	CFM
Primary Heating Airflow:	**380**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**42**	**46**	**35**	**30**	
Max Heating	**66**	**59**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**40**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**68**	**62**	**59**	**59**	**56**	**54**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**39**	**32**	**18**	**8**	**4**	**15**	**19**

METALAIRE

Model FVI-C7-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-01A**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C7**	**14**	**30x20**	**3250**	**325**	**1.000**	**0.250**	**0.103**	**0.412**	**36**	**30**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2500 CFM	**1000** CFM	**ECM VCU**	**1**	**0.56** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
71.91 MBH	**2700**	**55.00** °F	**89.93** °F	**89.93** °F	**140.00** °F	**119.07** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.31** in. H2O	**4.24** ft. H2O	**7.21** GPM	**Propylene Glycol**	**25.00**

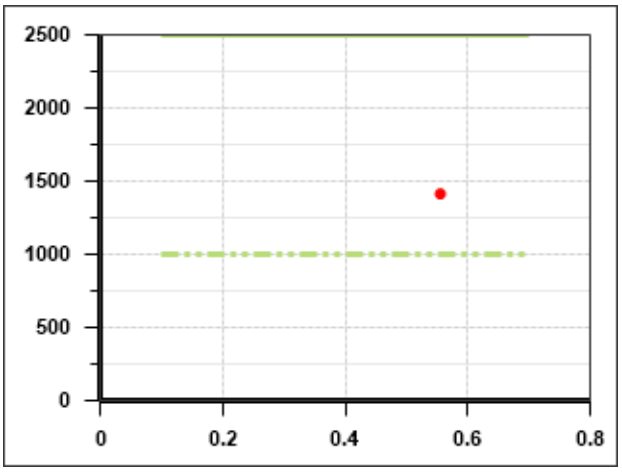
Design Air Flow

Max Primary:	**2700** CFM
Min Primary:	**1300** CFM
Fan Airflow:	**1400** CFM
Primary Heating Airflow:	**1300** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**45**	**50**	**42**	**37**	
Max Heating	**71**	**63**	**58**	**60**	**46**	**44**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**53**	**44**	**38**	**34**	**15**	**8**	**36**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**69**	**64**	**57**	**56**	**52**	**50**	
Max Heating	**71**	**68**	**70**	**65**	**64**	**67**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**38**	**29**	**14**	**12**	**28**	**30**

METALAIRE

Model FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-03**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.090**	**0.407**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
2000	CFM	**400**	CFM	**ECM VCU**	**1**	**0.57**	in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
43.36	MBH	**1600**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**121.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**2.92**	ft. H2O	**4.83**	GPM	**Propylene Glycol**	**25.00**

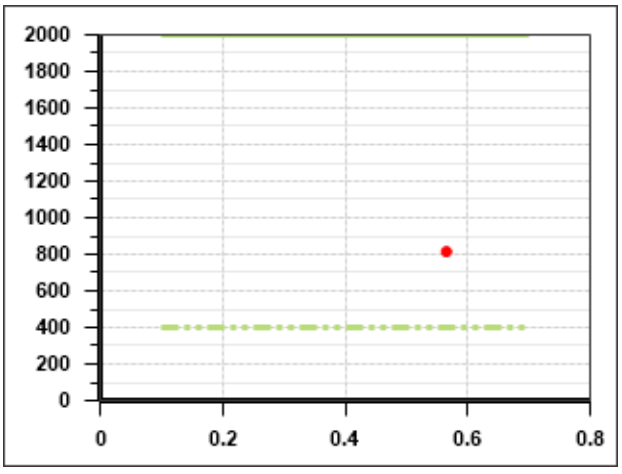
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**800**	CFM
Fan Airflow:	**800**	CFM
Primary Heating Airflow:	**800**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**48**	**43**	**35**	**38**	**27**	**21**	
Max Heating	**57**	**50**	**44**	**42**	**34**	**34**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**31**	**24**	**16**	**3**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**53**	**46**	**45**	**40**	**35**	
Max Heating	**60**	**56**	**50**	**46**	**43**	**40**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**31**	**26**	**9**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-06**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.095**	**0.523**	**22**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
2000	CFM	**400**	CFM	**ECM VCU**	**1**	**0.68**	in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
31.09	MBH	**1350**	**55.00**	°F	**90.01**	°F	**90.01**	°F	**140.00**	°F	**103.79**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**12**	**0.43**	in. H2O	**0.27**	ft. H2O	**1.80**	GPM	**Propylene Glycol**	**25.00**

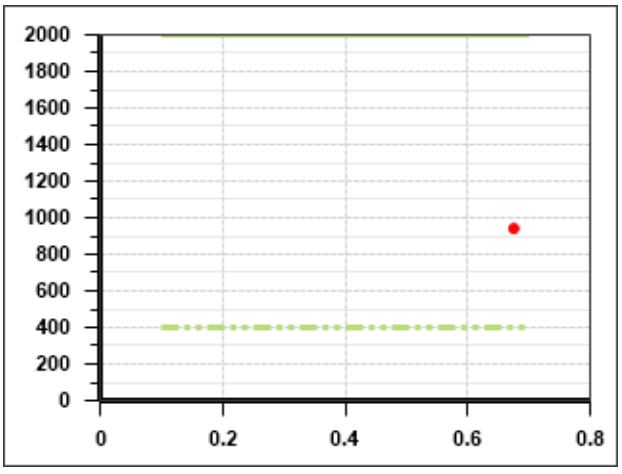
Design Air Flow

Max Primary:	**1500**	CFM
Min Primary:	**420**	CFM
Fan Airflow:	**930**	CFM
Primary Heating Airflow:	**420**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**50**	**44**	**37**	**41**	**29**	**24**	
Max Heating	**60**	**52**	**47**	**46**	**38**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**42**	**33**	**27**	**20**	**7**	**1**	**22**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**54**	**48**	**48**	**42**	**38**	
Max Heating	**63**	**58**	**57**	**54**	**51**	**48**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**28**	**16**	**3**	**0**	**9**	**< 15**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-07**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.138**	**0.337**	**30**	**21**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.45**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
26.75	MBH	**1200**	**55.00**	°F	**91.22**	°F	**91.22**	°F	**140.00**	°F	**114.49**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.20**	in. H2O	**0.62**	ft. H2O	**2.20**	GPM	**Propylene Glycol**	**25.00**

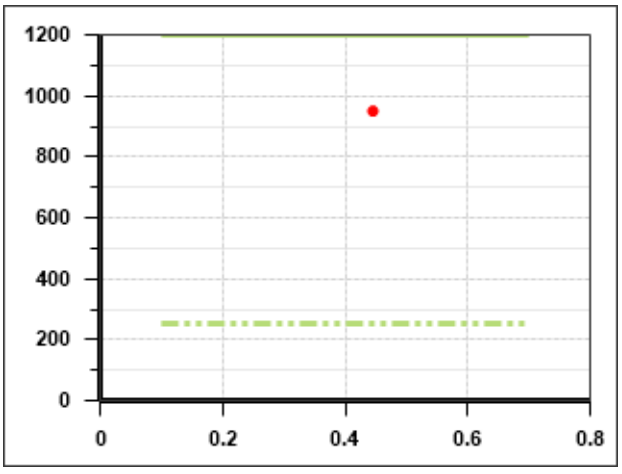
Design Air Flow

Max Primary:	**1200**	CFM
Min Primary:	**260**	CFM
Fan Airflow:	**940**	CFM
Primary Heating Airflow:	**260**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**43**	**46**	**35**	**30**	
Max Heating	**66**	**60**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**41**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**70**	**63**	**60**	**61**	**58**	**57**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**41**	**33**	**19**	**10**	**6**	**18**	**21**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-08**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.109**	**0.331**	**22**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.47**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
26.07	MBH	**1000**	**55.00**	°F	**90.64**	°F	**90.64**	°F	**140.00**	°F	**97.97**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**12**	**0.22**	in. H2O	**0.14**	ft. H2O	**1.30**	GPM	**Propylene Glycol**	**25.00**

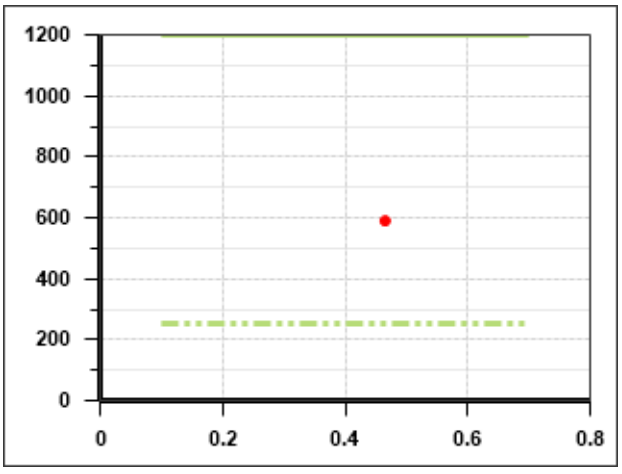
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**420**	CFM
Fan Airflow:	**580**	CFM
Primary Heating Airflow:	**420**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**40**	**44**	**32**	**24**	
Max Heating	**59**	**54**	**48**	**49**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**41**	**35**	**28**	**23**	**6**	**1**	**22**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**49**	**51**	**45**	**37**	
Max Heating	**60**	**57**	**52**	**49**	**48**	**42**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**33**	**28**	**12**	**0**	**0**	**3**	**< 15**

METALAIRE

Model FVI-C3-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-10**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**08**	**20x17.5**	**990**	**100**	**1.000**	**0.250**	**0.116**	**0.199**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.33**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
15.84	MBH	**700**	**55.00**	°F	**90.15**	°F	**90.15**	°F	**140.00**	°F	**103.10**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.08**	in. H2O	**0.11**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

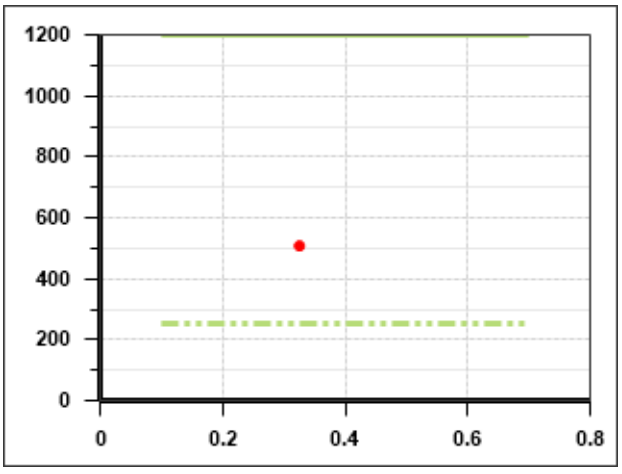
Design Air Flow

Max Primary:	**700**	CFM
Min Primary:	**200**	CFM
Fan Airflow:	**500**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**44**	**47**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-13A**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.053**	**0.304**	**16**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.50**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
31.54	MBH	**900**	**55.00**	°F	**89.98**	°F	**89.98**	°F	**140.00**	°F	**126.37**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.25**	in. H2O	**2.56**	ft. H2O	**4.86**	GPM	**Propylene Glycol**	**25.00**

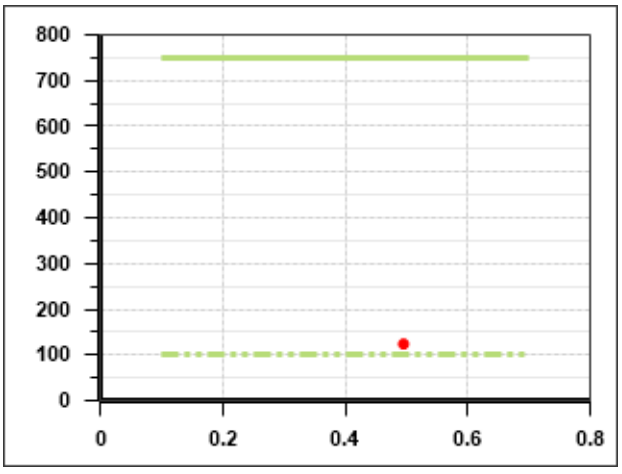
Design Air Flow

Max Primary:	**950**	CFM
Min Primary:	**780**	CFM
Fan Airflow:	**120**	CFM
Primary Heating Airflow:	**780**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**48**	**33**	**26**	**27**	**18**	**19**	
Max Heating	**55**	**47**	**39**	**41**	**32**	**30**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**28**	**19**	**15**	**1**	**0**	**16**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**58**	**43**	**36**	**34**	**31**	**26**	
Max Heating	**55**	**49**	**47**	**47**	**42**	**36**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**31**	**21**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C2-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-14**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**08**	**16x15**	**990**	**100**	**1.000**	**0.250**	**0.110**	**0.246**	**25**	**15**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.39**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
14.97	MBH	**650**	**55.00**	°F	**90.09**	°F	**90.09**	°F	**140.00**	°F	**113.82**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.14**	in. H2O	**0.16**	ft. H2O	**1.20**	GPM	**Propylene Glycol**	**25.00**

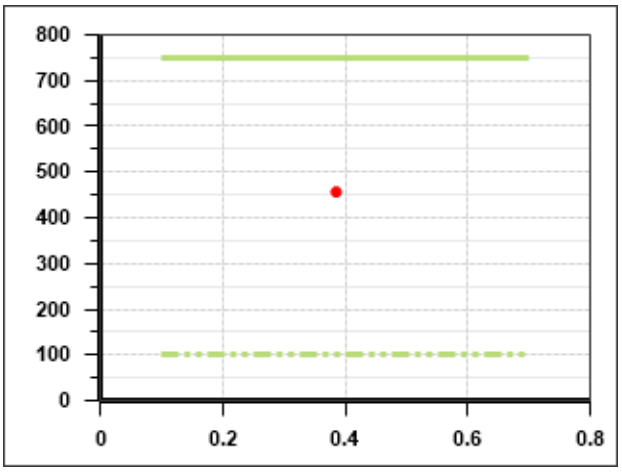
Design Air Flow

Max Primary:	**650**	CFM
Min Primary:	**200**	CFM
Fan Airflow:	**450**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**52**	**41**	**34**	**36**	**25**	**28**	
Max Heating	**62**	**54**	**45**	**46**	**37**	**34**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**44**	**35**	**25**	**20**	**6**	**0**	**25**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**63**	**52**	**46**	**46**	**41**	**36**	
Max Heating	**58**	**53**	**53**	**52**	**47**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**36**	**23**	**6**	**0**	**0**	**0**	**15**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-17**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.099**	**0.259**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.41**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
30.23	MBH	**1050**	**55.00**	°F	**90.12**	°F	**90.12**	°F	**140.00**	°F	**115.13**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.16**	in. H2O	**0.83**	ft. H2O	**2.55**	GPM	**Propylene Glycol**	**25.00**

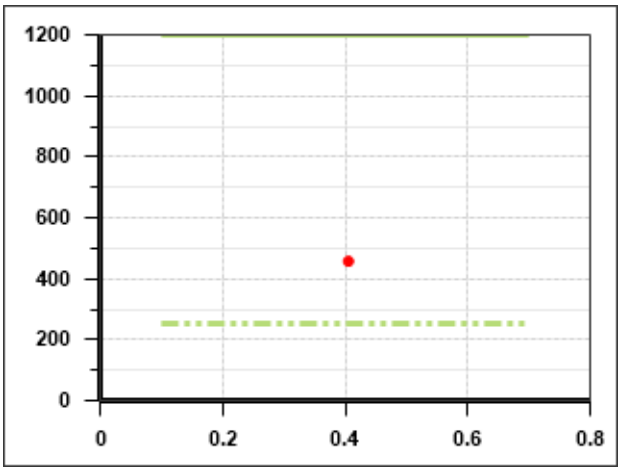
Design Air Flow

Max Primary:	**1050**	CFM
Min Primary:	**600**	CFM
Fan Airflow:	**450**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**39**	**38**	**42**	**30**	**22**	
Max Heating	**56**	**50**	**45**	**46**	**35**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**38**	**31**	**25**	**20**	**4**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**54**	**47**	**49**	**43**	**34**	
Max Heating	**55**	**52**	**46**	**41**	**46**	**37**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**28**	**23**	**6**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-25**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.098**	**0.384**	**32**	**22**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.54**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
34.30	MBH	**1500**	**55.00**	°F	**89.95**	°F	**89.95**	°F	**140.00**	°F	**116.17**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.29**	in. H2O	**1.16**	ft. H2O	**3.02**	GPM	**Propylene Glycol**	**25.00**

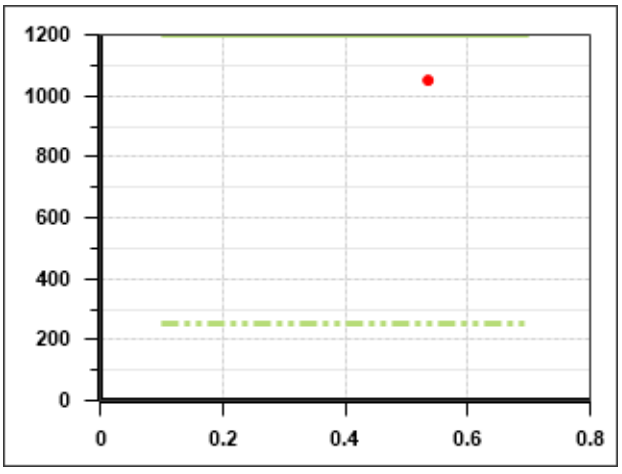
Design Air Flow

Max Primary:	**1500**	CFM
Min Primary:	**460**	CFM
Fan Airflow:	**1040**	CFM
Primary Heating Airflow:	**460**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**47**	**44**	**47**	**36**	**30**	
Max Heating	**68**	**62**	**54**	**55**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**50**	**43**	**34**	**29**	**12**	**7**	**32**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**71**	**65**	**61**	**61**	**59**	**58**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**35**	**20**	**10**	**7**	**19**	**22**

METALAIRE

Model FVI-C3-510

Project: HOG Pinnacle 11-7-25
Tag: VAV 1-1-31
Altitude: 0 Feet

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C3	10	20x17.5	1640	165	1.000	0.250	0.121	0.246	26	16



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
1200 CFM	250 CFM	ECM VCU	1/2	0.38 in. H2O	277/1	3.40	4.25	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
18.57 MBH	900	55.00 °F	90.03 °F	90.03 °F	140.00 °F	107.54 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.13 in. H2O	0.19 ft. H2O	1.20 GPM	Propylene Glycol	25.00

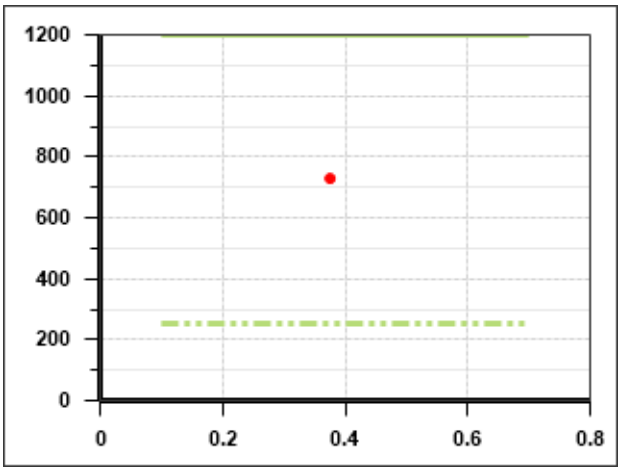
Design Air Flow

Max Primary:	900 CFM
Min Primary:	180 CFM
Fan Airflow:	720 CFM
Primary Heating Airflow:	180 CFM

Accessories:

Heating Coil:	HW
Inlet:	Attenuator
Outlet:	No Attenuator

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	57	44	41	45	33	28	
Max Heating	63	57	51	52	40	40	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	45	38	31	26	9	4	26

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	65	59	50	52	47	41	
Max Heating	64	60	57	56	51	47	
Total Attenuation	29	30	41	51	52	39	
Room Sound Level	35	30	16	5	0	8	16

METALAIRE

Model FVI-C7-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-01**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C7	14	30x20	3250	325	1.000	0.250	0.115	0.370	36	30



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2500 CFM	1000 CFM	ECM VCU	1	0.51 in. H2O	277/1	6.20	7.75	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
55.20 MBH	2400	55.00 °F	90.04 °F	90.04 °F	140.00 °F	113.74 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.26 in. H2O	1.61 ft. H2O	4.41 GPM	Propylene Glycol	25.00

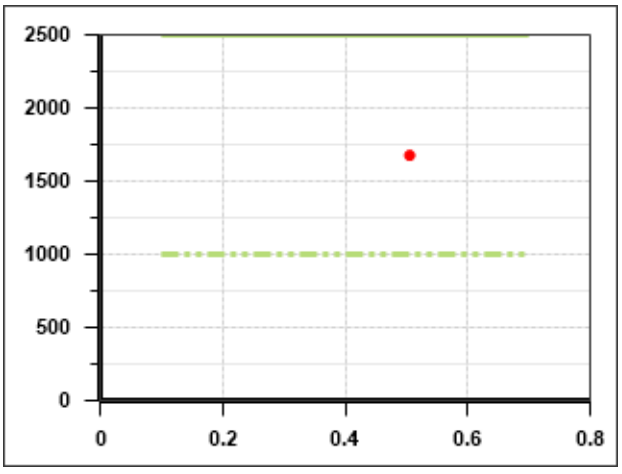
Design Air Flow

Max Primary:	2400 CFM
Min Primary:	740 CFM
Fan Airflow:	1660 CFM
Primary Heating Airflow:	740 CFM

Accessories:

Heating Coil:	HW
Inlet:	Attenuator
Outlet:	No Attenuator

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	61	49	48	54	45	40	
Max Heating	71	63	58	60	46	44	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	53	44	38	34	15	8	36

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	72	66	58	57	54	52	
Max Heating	71	68	70	65	64	67	
Total Attenuation	29	30	41	51	52	39	
Room Sound Level	42	38	29	14	12	28	30

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-02**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.120**	**0.293**	**26**	**16**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.42**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
26.41	MBH	**1050**	**55.00**	°F	**91.72**	°F	**91.72**	°F	**140.00**	°F	**114.81**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.17**	in. H2O	**0.62**	ft. H2O	**2.20**	GPM	**Propylene Glycol**	**25.00**

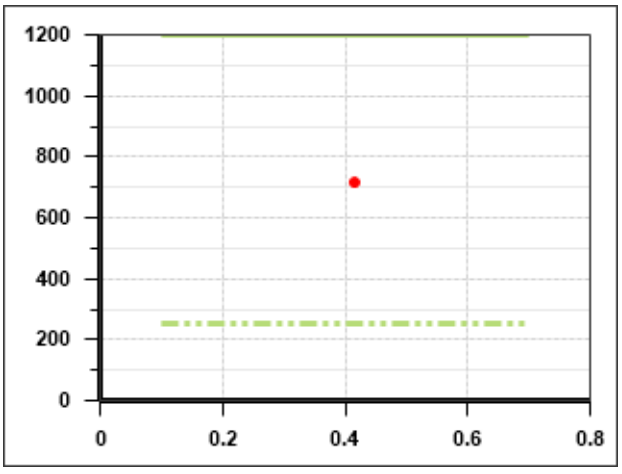
Design Air Flow

Max Primary:	**1100**	CFM
Min Primary:	**340**	CFM
Fan Airflow:	**710**	CFM
Primary Heating Airflow:	**340**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**44**	**41**	**45**	**33**	**27**	
Max Heating	**63**	**57**	**51**	**52**	**40**	**40**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**45**	**38**	**31**	**26**	**9**	**4**	**26**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**59**	**50**	**52**	**47**	**41**	
Max Heating	**64**	**60**	**57**	**56**	**51**	**47**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**35**	**30**	**16**	**5**	**0**	**8**	**16**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-07**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.098**	**0.399**	**32**	**22**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.55**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
34.68	MBH	**1500**	**55.00**	°F	**89.92**	°F	**89.92**	°F	**140.00**	°F	**116.30**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.30**	in. H2O	**1.20**	ft. H2O	**3.07**	GPM	**Propylene Glycol**	**25.00**

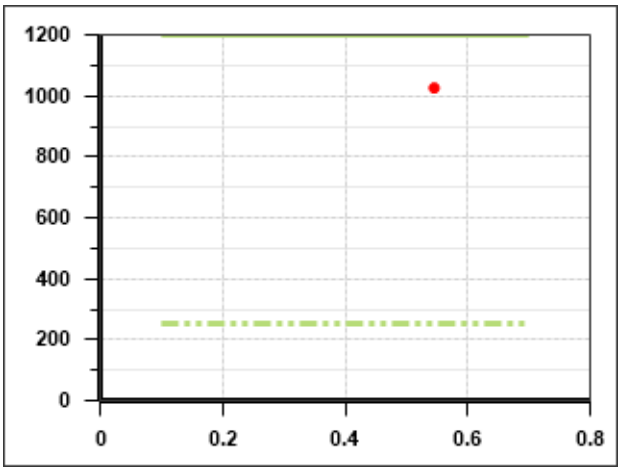
Design Air Flow

Max Primary:	**1550**	CFM
Min Primary:	**480**	CFM
Fan Airflow:	**1020**	CFM
Primary Heating Airflow:	**480**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**47**	**44**	**47**	**36**	**30**	
Max Heating	**68**	**62**	**54**	**55**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**50**	**43**	**34**	**29**	**12**	**7**	**32**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**71**	**65**	**61**	**61**	**59**	**58**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**35**	**20**	**10**	**7**	**19**	**22**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-08**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.098**	**0.431**	**32**	**22**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.58**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
36.06	MBH	**1550**	**55.00**	°F	**90.00**	°F	**90.00**	°F	**140.00**	°F	**116.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.33**	in. H2O	**1.36**	ft. H2O	**3.27**	GPM	**Propylene Glycol**	**25.00**

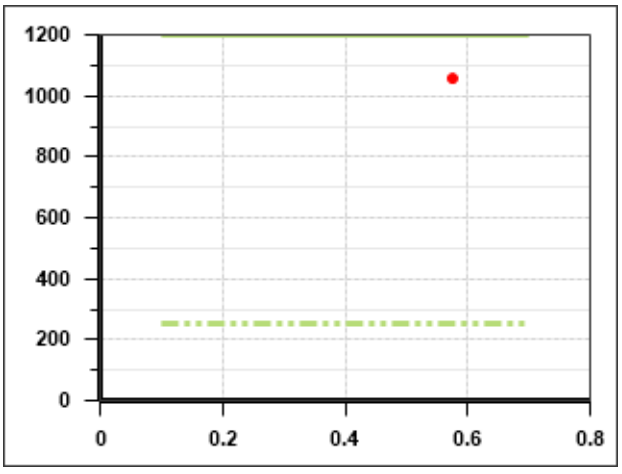
Design Air Flow

Max Primary:	**1650**	CFM
Min Primary:	**500**	CFM
Fan Airflow:	**1050**	CFM
Primary Heating Airflow:	**500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**47**	**44**	**47**	**36**	**30**	
Max Heating	**68**	**62**	**55**	**56**	**43**	**44**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**50**	**43**	**35**	**30**	**12**	**8**	**32**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**71**	**65**	**61**	**62**	**59**	**58**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**35**	**20**	**11**	**7**	**19**	**22**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-09**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.096**	**0.366**	**30**	**21**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.52**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
30.74	MBH	**1350**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**115.00**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.85**	ft. H2O	**2.58**	GPM	**Propylene Glycol**	**25.00**

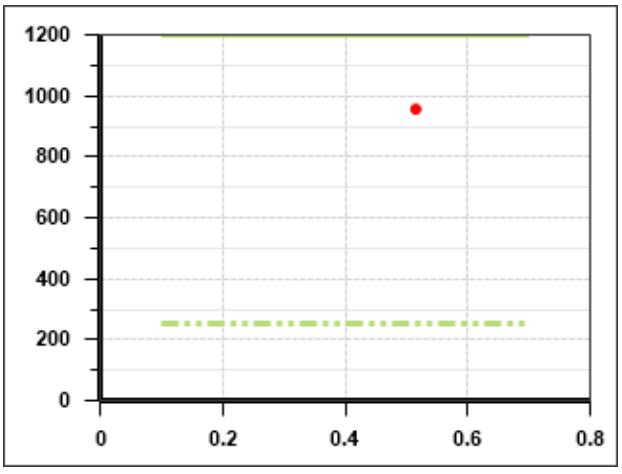
Design Air Flow

Max Primary:	**1450**	CFM
Min Primary:	**400**	CFM
Fan Airflow:	**950**	CFM
Primary Heating Airflow:	**400**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**43**	**46**	**35**	**30**	
Max Heating	**66**	**60**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**41**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**70**	**63**	**60**	**61**	**58**	**57**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**41**	**33**	**19**	**10**	**6**	**18**	**21**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-12**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.119**	**0.292**	**26**	**16**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.42**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
23.46	MBH	**1000**	**55.00**	°F	**90.63**	°F	**90.63**	°F	**140.00**	°F	**115.39**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.17**	in. H2O	**0.52**	ft. H2O	**2.00**	GPM	**Propylene Glycol**	**25.00**

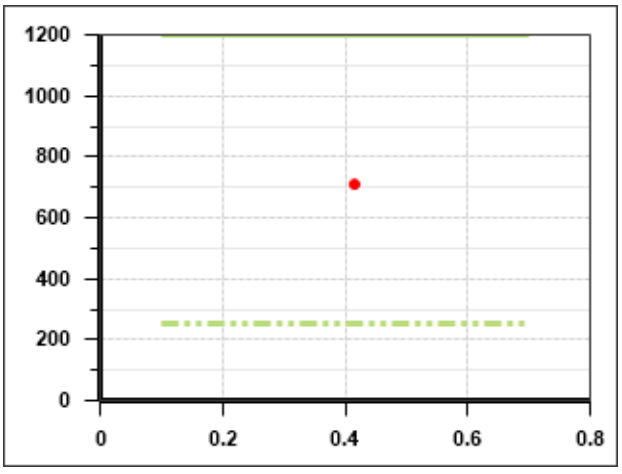
Design Air Flow

Max Primary:	**1100**	CFM
Min Primary:	**300**	CFM
Fan Airflow:	**700**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**44**	**40**	**44**	**33**	**27**	
Max Heating	**63**	**57**	**50**	**51**	**40**	**40**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**45**	**38**	**30**	**25**	**9**	**4**	**26**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**59**	**49**	**51**	**47**	**41**	
Max Heating	**63**	**60**	**57**	**55**	**51**	**47**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**30**	**16**	**4**	**0**	**8**	**16**

METALAIRE

Model FVI-C7-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-16**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C7**	**14**	**30x20**	**3250**	**325**	**1.000**	**0.250**	**0.112**	**0.359**	**36**	**30**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
2500	CFM	**1000**	CFM	**ECM VCU**	**1**	**0.50**	in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
54.46	MBH	**2350**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**113.61**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.25**	in. H2O	**1.55**	ft. H2O	**4.33**	GPM	**Propylene Glycol**	**25.00**

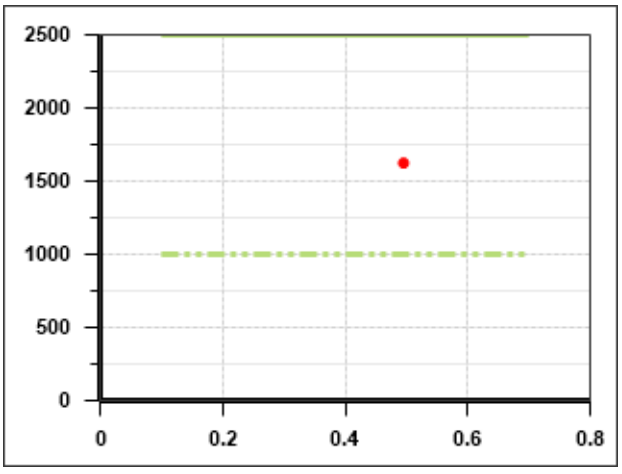
Design Air Flow

Max Primary:	**2350**	CFM
Min Primary:	**740**	CFM
Fan Airflow:	**1610**	CFM
Primary Heating Airflow:	**740**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**48**	**47**	**53**	**44**	**39**	
Max Heating	**71**	**63**	**58**	**60**	**46**	**44**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**53**	**44**	**38**	**34**	**15**	**8**	**36**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**71**	**66**	**58**	**57**	**54**	**51**	
Max Heating	**71**	**68**	**70**	**65**	**64**	**67**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**38**	**29**	**14**	**12**	**28**	**30**

METALAIRE

Model FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-17**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.107**	**0.508**	**32**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2000 CFM	**400** CFM	**ECM VCU**	**1**	**0.65** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
42.21 MBH	**1850**	**55.00** °F	**89.98** °F	**89.98** °F	**140.00** °F	**120.18** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.40** in. H2O	**2.51** ft. H2O	**4.47** GPM	**Propylene Glycol**	**25.00**

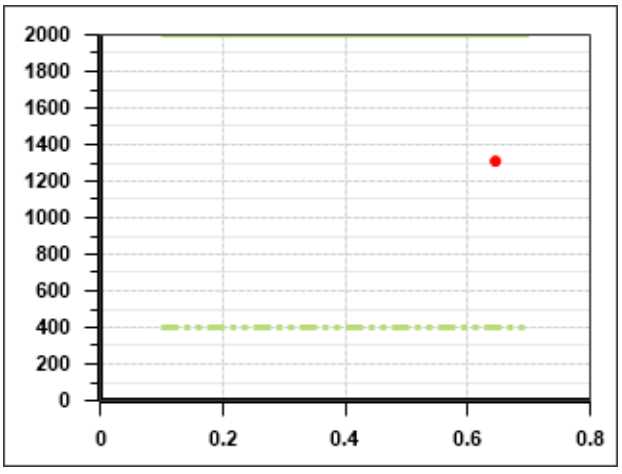
Design Air Flow

Max Primary:	**1850** CFM
Min Primary:	**560** CFM
Fan Airflow:	**1290** CFM
Primary Heating Airflow:	**560** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**55**	**48**	**40**	**44**	**33**	**27**	
Max Heating	**68**	**58**	**56**	**55**	**49**	**47**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**50**	**39**	**36**	**29**	**18**	**11**	**32**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**63**	**58**	**51**	**51**	**46**	**42**	
Max Heating	**61**	**62**	**60**	**58**	**55**	**54**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**32**	**32**	**19**	**7**	**3**	**15**	**19**

METALAIRE

Model

FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-18**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.091**	**0.304**	**29**	**18**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.46**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
29.03	MBH	**1200**	**55.00**	°F	**90.98**	°F	**90.98**	°F	**140.00**	°F	**115.14**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.21**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

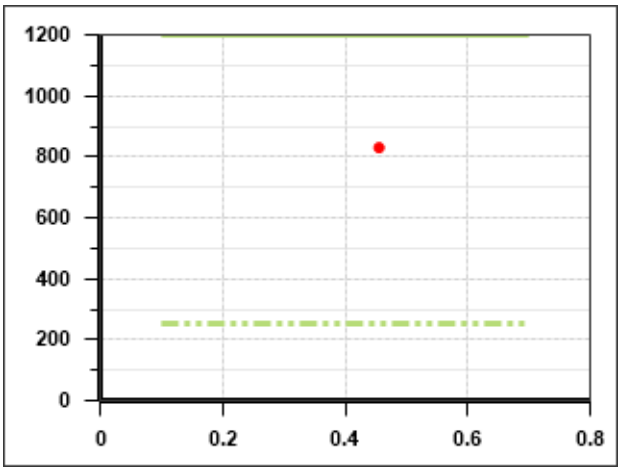
Design Air Flow

Max Primary:	**1250**	CFM
Min Primary:	**380**	CFM
Fan Airflow:	**820**	CFM
Primary Heating Airflow:	**380**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**58**	**45**	**42**	**45**	**34**	**29**	
Max Heating	**65**	**58**	**52**	**53**	**42**	**42**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**39**	**32**	**27**	**11**	**6**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**66**	**60**	**50**	**52**	**48**	**43**	
Max Heating	**66**	**61**	**58**	**58**	**55**	**51**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**37**	**31**	**17**	**7**	**3**	**12**	**18**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-01**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.094**	**0.364**	**30**	**20**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.52**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
35.18	MBH	**1450**	**55.00**	°F	**89.92**	°F	**89.92**	°F	**140.00**	°F	**116.57**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**1.26**	ft. H2O	**3.15**	GPM	**Propylene Glycol**	**25.00**

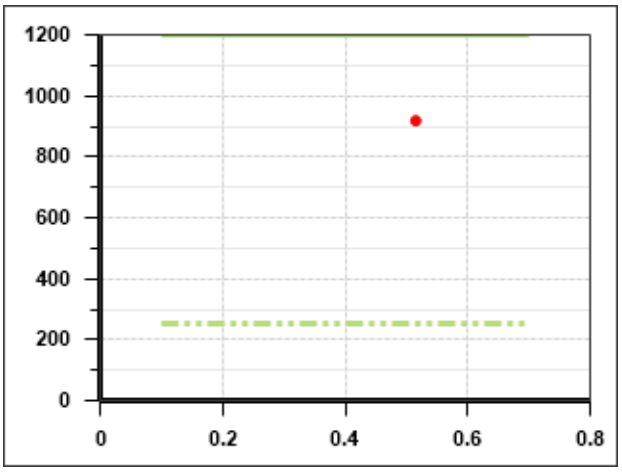
Design Air Flow

Max Primary:	**1450**	CFM
Min Primary:	**540**	CFM
Fan Airflow:	**910**	CFM
Primary Heating Airflow:	**540**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**43**	**46**	**35**	**30**	
Max Heating	**66**	**60**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**41**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**69**	**63**	**60**	**61**	**58**	**56**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**40**	**33**	**19**	**10**	**6**	**17**	**20**

METALAIRE

Model FVI-C1-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-02**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C1**	**08**	**16x15**	**990**	**100**	**1.000**	**0.250**	**0.096**	**0.326**	**29**	**15**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
600	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.48**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
27.22	MBH	**900**	**55.00**	°F	**90.00**	°F	**90.00**	°F	**140.00**	°F	**122.94**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.23**	in. H2O	**1.23**	ft. H2O	**3.35**	GPM	**Propylene Glycol**	**25.00**

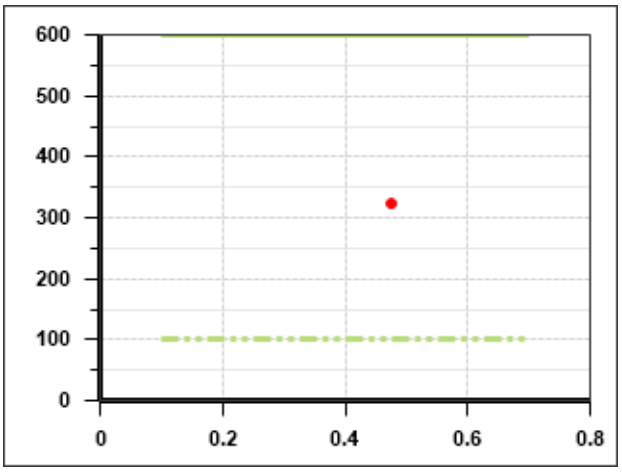
Design Air Flow

Max Primary:	**900**	CFM
Min Primary:	**580**	CFM
Fan Airflow:	**320**	CFM
Primary Heating Airflow:	**580**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**49**	**39**	**36**	**36**	**27**	**29**	
Max Heating	**65**	**58**	**51**	**53**	**44**	**41**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**39**	**31**	**27**	**13**	**5**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**47**	**44**	**38**	**39**	**38**	
Max Heating	**61**	**58**	**54**	**52**	**48**	**43**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**34**	**29**	**14**	**1**	**0**	**4**	**15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-04**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.100**	**0.417**	**34**	**24**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
36.91	MBH	**1600**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**1.46**	ft. H2O	**3.39**	GPM	**Propylene Glycol**	**25.00**

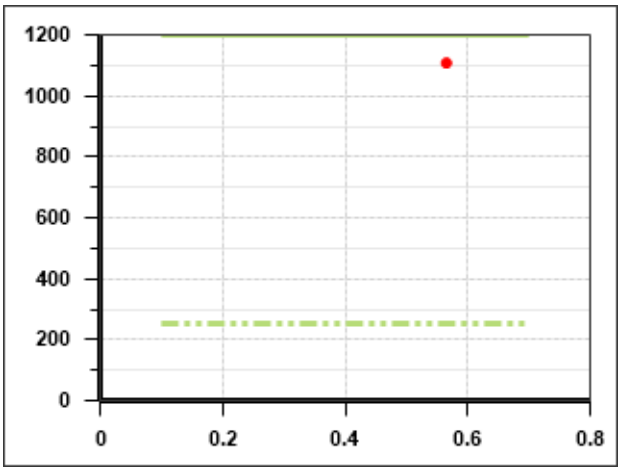
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**500**	CFM
Fan Airflow:	**1100**	CFM
Primary Heating Airflow:	**500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**48**	**44**	**47**	**36**	**30**	
Max Heating	**69**	**63**	**55**	**56**	**44**	**44**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**51**	**44**	**35**	**30**	**13**	**8**	**34**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**71**	**66**	**61**	**62**	**59**	**58**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**36**	**20**	**11**	**7**	**19**	**24**

METALAIRE

Model

FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-05**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.105**	**0.489**	**31**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2000 CFM	**400** CFM	**ECM VCU**	**1**	**0.63** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
41.26 MBH	**1800**	**55.00** °F	**89.91** °F	**89.91** °F	**140.00** °F	**118.57** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.38** in. H2O	**2.05** ft. H2O	**4.04** GPM	**Propylene Glycol**	**25.00**

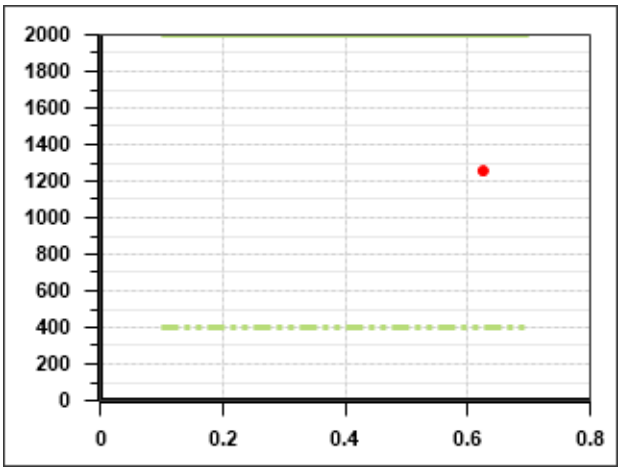
Design Air Flow

Max Primary:	**1800** CFM
Min Primary:	**560** CFM
Fan Airflow:	**1240** CFM
Primary Heating Airflow:	**560** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**47**	**40**	**43**	**32**	**27**	
Max Heating	**67**	**57**	**55**	**54**	**48**	**46**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**49**	**38**	**35**	**28**	**17**	**10**	**31**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**63**	**57**	**51**	**51**	**45**	**41**	
Max Heating	**60**	**62**	**59**	**57**	**54**	**53**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**31**	**32**	**18**	**6**	**2**	**14**	**19**

METALAIRE

Model FVI-C2-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-03**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**08**	**16x15**	**990**	**100**	**1.000**	**0.250**	**0.086**	**0.175**	**16**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.34**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
14.34	MBH	**500**	**55.00**	°F	**90.25**	°F	**90.25**	°F	**140.00**	°F	**112.64**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.09**	in. H2O	**0.14**	ft. H2O	**1.10**	GPM	**Propylene Glycol**	**25.00**

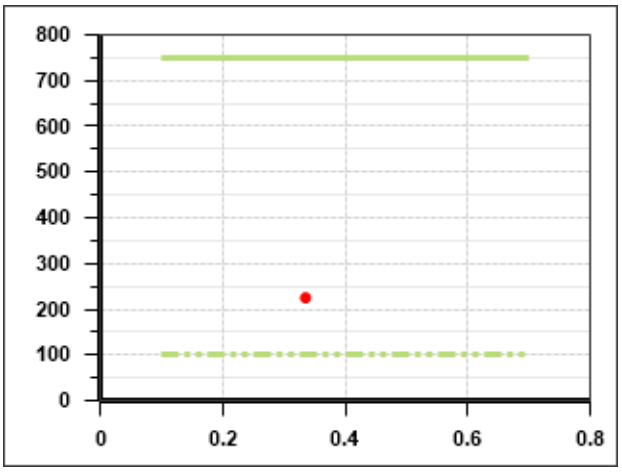
Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**280**	CFM
Fan Airflow:	**220**	CFM
Primary Heating Airflow:	**280**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**48**	**34**	**27**	**28**	**19**	**20**	
Max Heating	**55**	**47**	**39**	**41**	**32**	**30**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**28**	**19**	**15**	**1**	**0**	**16**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**58**	**44**	**37**	**36**	**32**	**27**	
Max Heating	**55**	**49**	**47**	**47**	**42**	**36**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**31**	**21**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-10**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.132**	**0.345**	**30**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.46**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
29.32	MBH	**1250**	**55.00**	°F	**90.54**	°F	**90.54**	°F	**140.00**	°F	**114.90**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.21**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

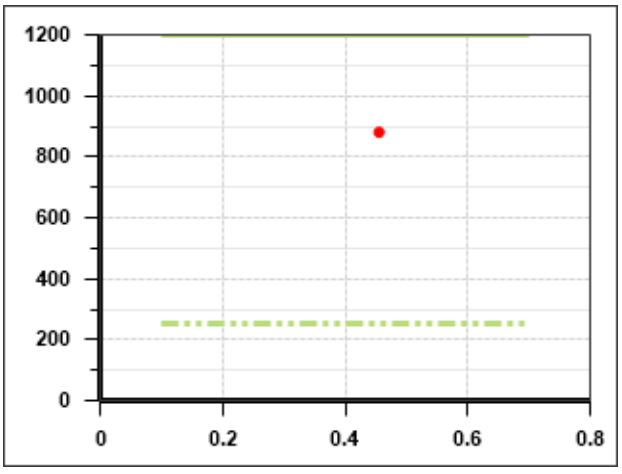
Design Air Flow

Max Primary:	**1250**	CFM
Min Primary:	**380**	CFM
Fan Airflow:	**870**	CFM
Primary Heating Airflow:	**380**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**42**	**46**	**35**	**30**	
Max Heating	**66**	**59**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**40**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**68**	**62**	**59**	**59**	**56**	**54**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**39**	**32**	**18**	**8**	**4**	**15**	**19**

METALAIRE

Model FVI-C6-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-01**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C6**	**14**	**22x18**	**3250**	**325**	**1.000**	**0.250**	**0.095**	**0.530**	**35**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
1166 CFM	**400** CFM	**ECM VCU**	**1**	**0.68** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
43.03 MBH	**1800**	**55.00** °F	**90.00** °F	**90.00** °F	**140.00** °F	**116.11** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.43** in. H2O	**1.89** ft. H2O	**3.78** GPM	**Propylene Glycol**	**25.00**

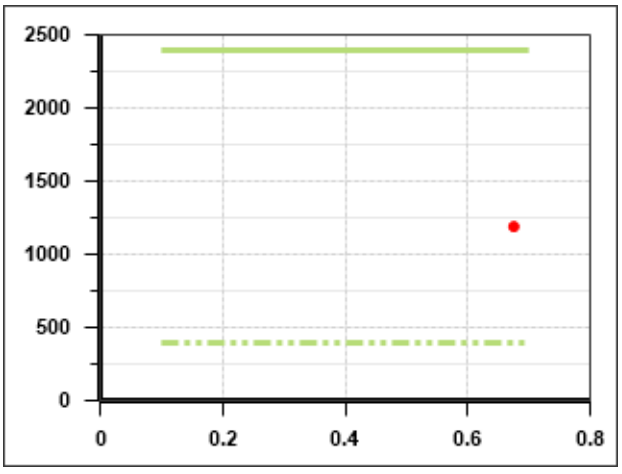
Design Air Flow

Max Primary:	**2200** CFM
Min Primary:	**634** CFM
Fan Airflow:	**1166** CFM
Primary Heating Airflow:	**634** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**47**	**41**	**44**	**35**	**30**	
Max Heating	**69**	**63**	**60**	**62**	**49**	**46**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**51**	**44**	**40**	**36**	**18**	**10**	**35**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**68**	**59**	**54**	**47**	**43**	**41**	
Max Heating	**63**	**60**	**59**	**55**	**53**	**51**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**39**	**29**	**13**	**0**	**0**	**2**	**19**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-02**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.079**	**0.429**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
514	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.54	MBH	**1000**	**55.00**	°F	**91.60**	°F	**91.60**	°F	**140.00**	°F	**115.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

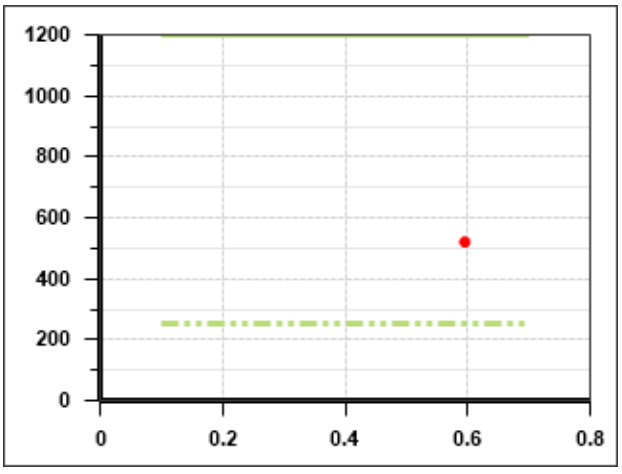
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**486**	CFM
Fan Airflow:	**514**	CFM
Primary Heating Airflow:	**486**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**45**	**47**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-03**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.83	MBH	**1000**	**55.00**	°F	**91.10**	°F	**91.10**	°F	**140.00**	°F	**115.31**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

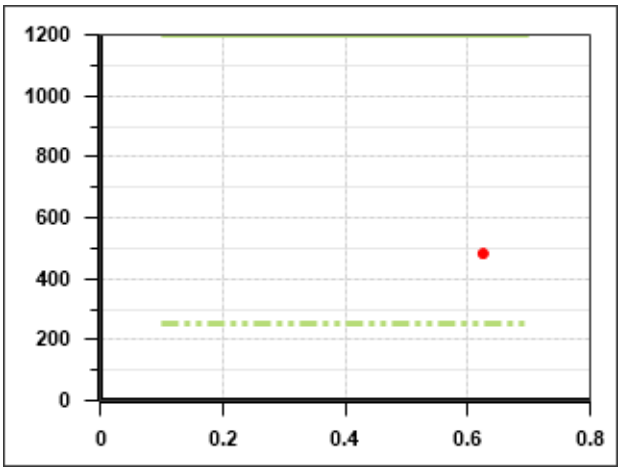
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**524**	CFM
Fan Airflow:	**476**	CFM
Primary Heating Airflow:	**524**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**56**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**38**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**43**	**35**	
Max Heating	**56**	**53**	**47**	**42**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**7**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-04**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.75	MBH	**1000**	**55.00**	°F	**91.23**	°F	**91.23**	°F	**140.00**	°F	**115.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

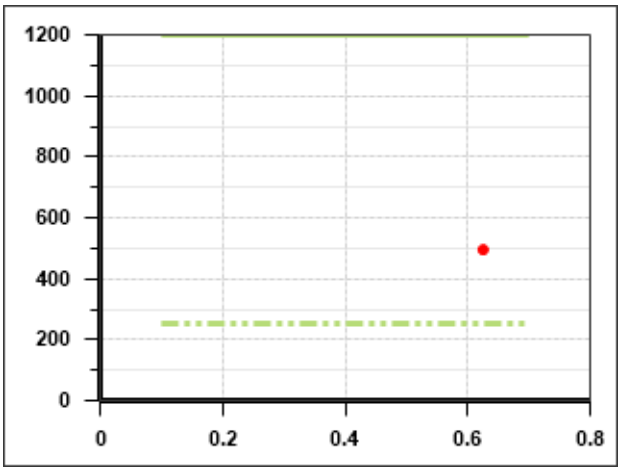
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**514**	CFM
Fan Airflow:	**486**	CFM
Primary Heating Airflow:	**514**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**56**	**53**	**48**	**43**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-06**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.079**	**0.396**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.43	MBH	**1000**	**55.00**	°F	**91.80**	°F	**91.80**	°F	**140.00**	°F	**115.65**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

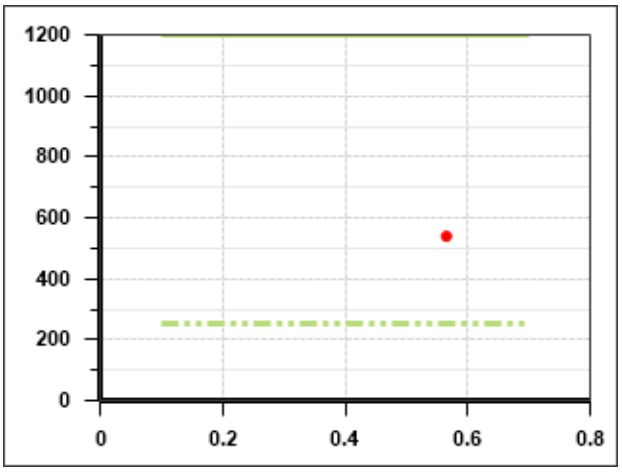
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**471**	CFM
Fan Airflow:	**529**	CFM
Primary Heating Airflow:	**471**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**39**	**43**	**31**	**23**	
Max Heating	**58**	**52**	**46**	**48**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**33**	**26**	**22**	**6**	**1**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**48**	**50**	**44**	**36**	
Max Heating	**58**	**55**	**50**	**46**	**48**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**31**	**26**	**10**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-08**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.112**	**0.385**	**29**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
24.66	MBH	**1000**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**121.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.86**	ft. H2O	**2.80**	GPM	**Propylene Glycol**	**25.00**

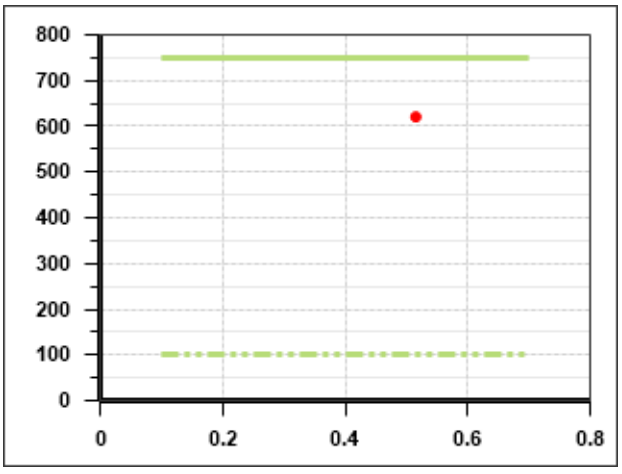
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**386**	CFM
Fan Airflow:	**614**	CFM
Primary Heating Airflow:	**386**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**55**	**45**	**38**	**39**	**28**	**31**	
Max Heating	**65**	**57**	**47**	**48**	**38**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**38**	**27**	**22**	**7**	**0**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**66**	**56**	**50**	**51**	**46**	**41**	
Max Heating	**65**	**60**	**55**	**56**	**50**	**50**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**27**	**10**	**0**	**0**	**2**	**19**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-09**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.028**	**0.301**	**16**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
18.80	MBH	**500**	**55.00**	°F	**97.91**	°F	**97.91**	°F	**140.00**	°F	**123.89**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.66**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

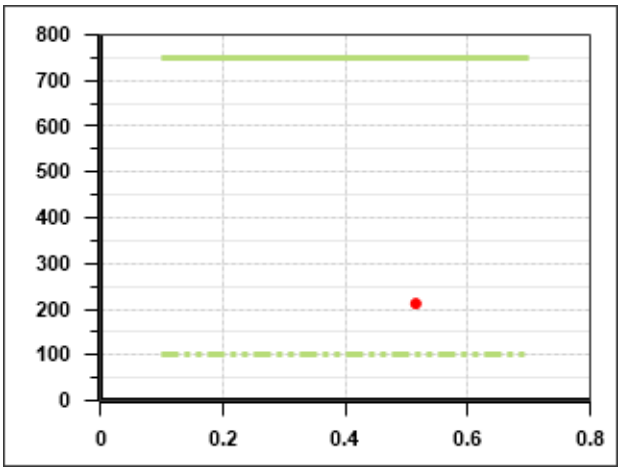
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**294**	CFM
Fan Airflow:	**206**	CFM
Primary Heating Airflow:	**294**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**48**	**33**	**26**	**27**	**18**	**19**	
Max Heating	**55**	**47**	**39**	**41**	**32**	**30**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**28**	**19**	**15**	**1**	**0**	**16**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**58**	**43**	**36**	**34**	**31**	**26**	
Max Heating	**55**	**49**	**47**	**47**	**42**	**36**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**31**	**21**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-10**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.078**	**0.428**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.58	MBH	**1000**	**55.00**	°F	**91.53**	°F	**91.53**	°F	**140.00**	°F	**115.52**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

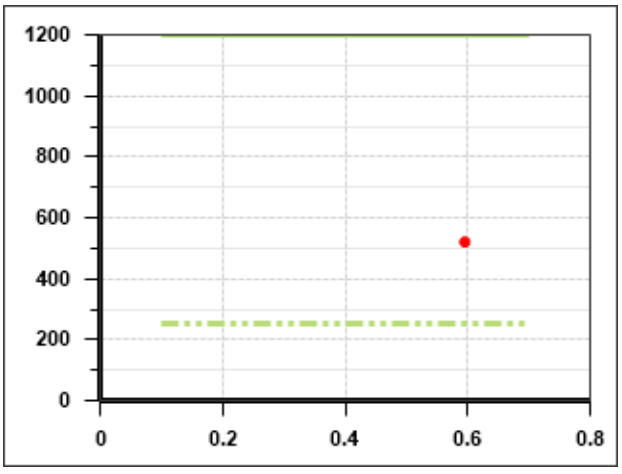
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**491**	CFM
Fan Airflow:	**509**	CFM
Primary Heating Airflow:	**491**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**44**	**47**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-11**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.75	MBH	**1000**	**55.00**	°F	**91.23**	°F	**91.23**	°F	**140.00**	°F	**115.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

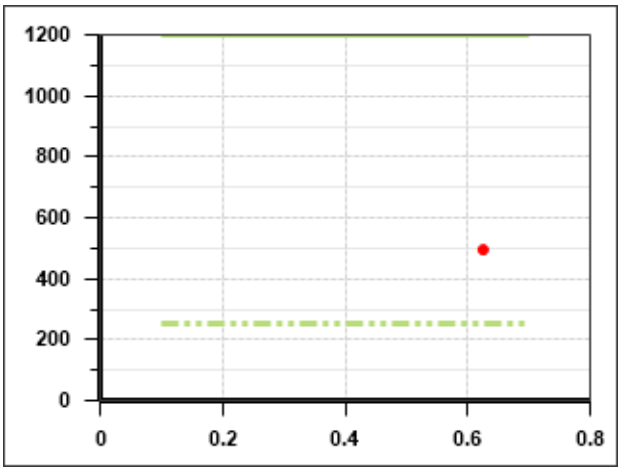
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**514**	CFM
Fan Airflow:	**486**	CFM
Primary Heating Airflow:	**514**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**56**	**53**	**48**	**43**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C6-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-12**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C6	12	22x18	2350	235	1.000	0.250	0.103	0.506	35	19



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2400 CFM	400 CFM	ECM VCU	1	0.65 in. H2O	277/1	6.20	7.75	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
42.44 MBH	1800	55.00 °F	89.97 °F	89.97 °F	140.00 °F	115.87 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.40 in. H2O	1.81 ft. H2O	3.69 GPM	Propylene Glycol	25.00

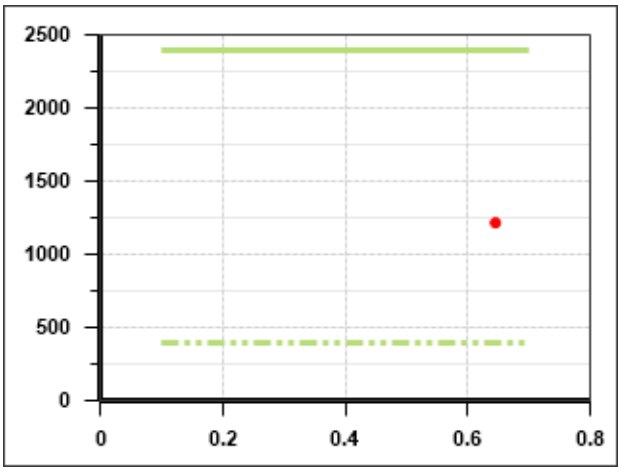
Design Air Flow

Max Primary:	**2100** CFM
Min Primary:	**609** CFM
Fan Airflow:	**1191** CFM
Primary Heating Airflow:	**609** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	57	47	41	44	35	30	
Max Heating	70	64	60	62	50	47	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	52	45	40	36	19	11	35

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	68	59	54	47	43	42	
Max Heating	63	60	59	55	53	51	
Total Attenuation	29	30	41	51	52	39	
Room Sound Level	39	29	13	0	0	3	19

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-14**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.099**	**0.466**	**25**	**15**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.62**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
21.85	MBH	**800**	**55.00**	°F	**91.43**	°F	**91.43**	°F	**140.00**	°F	**121.28**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.37**	in. H2O	**0.66**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

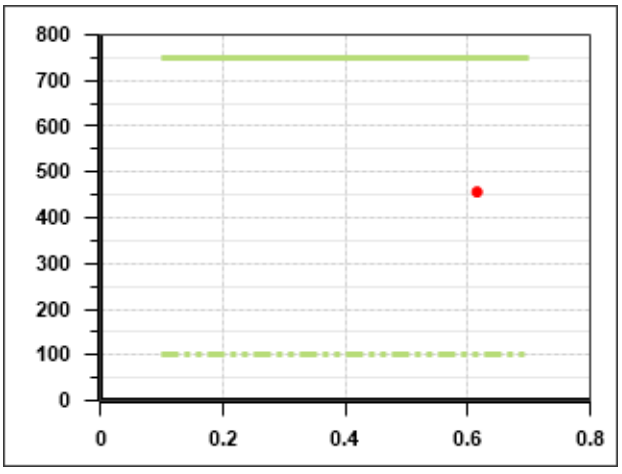
Design Air Flow

Max Primary:	**1200**	CFM
Min Primary:	**350**	CFM
Fan Airflow:	**450**	CFM
Primary Heating Airflow:	**350**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**52**	**41**	**34**	**36**	**25**	**28**	
Max Heating	**62**	**54**	**45**	**46**	**37**	**34**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**44**	**35**	**25**	**20**	**6**	**0**	**25**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**63**	**52**	**46**	**46**	**41**	**36**	
Max Heating	**58**	**53**	**53**	**52**	**47**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**36**	**23**	**6**	**0**	**0**	**0**	**15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-17**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.080**	**0.397**	**21**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.30	MBH	**1000**	**55.00**	°F	**92.02**	°F	**92.02**	°F	**140.00**	°F	**115.76**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

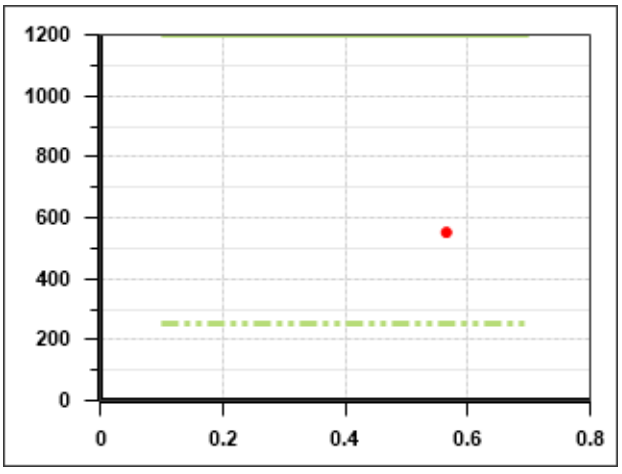
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**454**	CFM
Fan Airflow:	**546**	CFM
Primary Heating Airflow:	**454**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**39**	**43**	**32**	**23**	
Max Heating	**58**	**53**	**47**	**48**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**34**	**27**	**22**	**6**	**1**	**21**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**48**	**50**	**45**	**36**	
Max Heating	**58**	**55**	**51**	**47**	**48**	**41**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**31**	**26**	**11**	**0**	**0**	**2**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-18**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.081**	**0.367**	**22**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.54**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.13	MBH	**1000**	**55.00**	°F	**92.33**	°F	**92.33**	°F	**140.00**	°F	**115.91**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.29**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

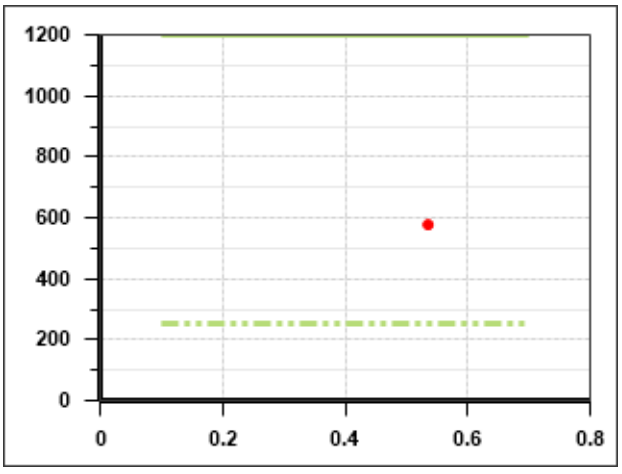
Design Air Flow

Max Primary:	**1500**	CFM
Min Primary:	**430**	CFM
Fan Airflow:	**570**	CFM
Primary Heating Airflow:	**430**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**40**	**44**	**32**	**24**	
Max Heating	**59**	**54**	**47**	**49**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**41**	**35**	**27**	**23**	**6**	**1**	**22**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**49**	**51**	**45**	**37**	
Max Heating	**59**	**56**	**52**	**48**	**48**	**42**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**32**	**27**	**12**	**0**	**0**	**3**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-19**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.079**	**0.396**	**21**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.40	MBH	**1000**	**55.00**	°F	**91.85**	°F	**91.85**	°F	**140.00**	°F	**115.68**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

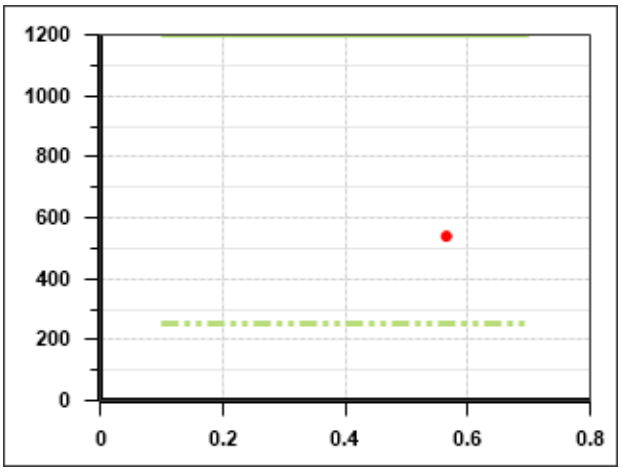
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**467**	CFM
Fan Airflow:	**533**	CFM
Primary Heating Airflow:	**467**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**39**	**43**	**31**	**23**	
Max Heating	**58**	**52**	**47**	**48**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**33**	**27**	**22**	**6**	**1**	**21**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**48**	**50**	**44**	**36**	
Max Heating	**58**	**55**	**50**	**46**	**48**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**31**	**26**	**10**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-20**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.078**	**0.428**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.60	MBH	**1000**	**55.00**	°F	**91.51**	°F	**91.51**	°F	**140.00**	°F	**115.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

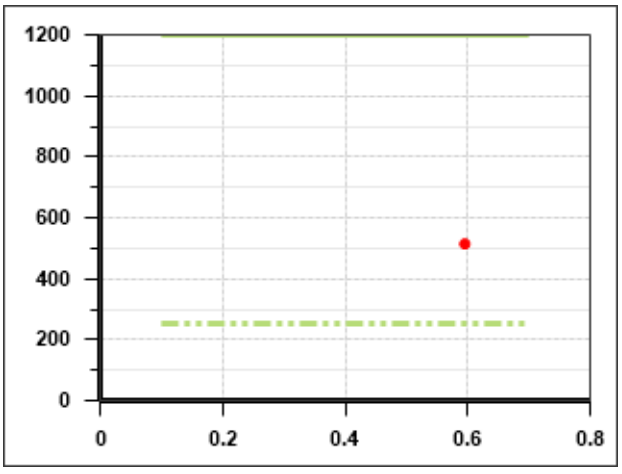
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**493**	CFM
Fan Airflow:	**507**	CFM
Primary Heating Airflow:	**493**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**44**	**47**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-22**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.112**	**0.385**	**29**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
24.66	MBH	**1000**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**121.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.86**	ft. H2O	**2.80**	GPM	**Propylene Glycol**	**25.00**

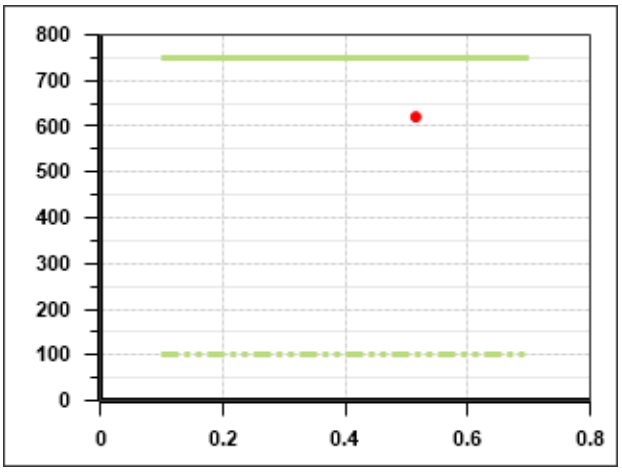
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**386**	CFM
Fan Airflow:	**614**	CFM
Primary Heating Airflow:	**386**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**55**	**45**	**38**	**39**	**28**	**31**	
Max Heating	**65**	**57**	**47**	**48**	**38**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**38**	**27**	**22**	**7**	**0**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**66**	**56**	**50**	**51**	**46**	**41**	
Max Heating	**65**	**60**	**55**	**56**	**50**	**50**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**27**	**10**	**0**	**0**	**2**	**19**

METALAIRE

Model

FVI-C6-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-01**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C6**	**14**	**22x18**	**3250**	**325**	**1.000**	**0.250**	**0.096**	**0.531**	**35**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2400 CFM	**400** CFM	**ECM VCU**	**1**	**0.68** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
43.34 MBH	**1820**	**55.00** °F	**89.99** °F	**89.99** °F	**140.00** °F	**116.20** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.43** in. H2O	**1.93** ft. H2O	**3.82** GPM	**Propylene Glycol**	**25.00**

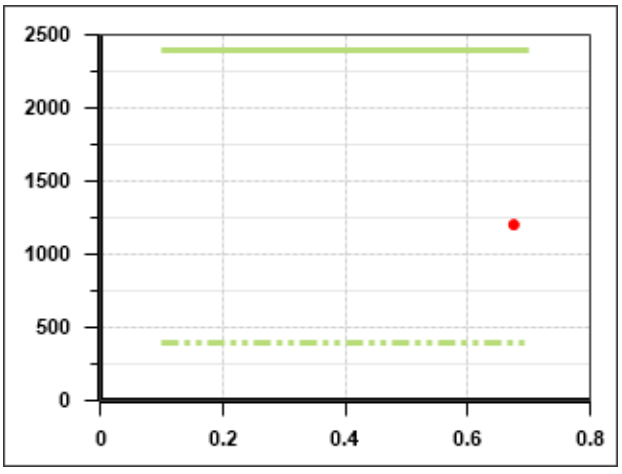
Design Air Flow

Max Primary:	**2200** CFM
Min Primary:	**634** CFM
Fan Airflow:	**1186** CFM
Primary Heating Airflow:	**634** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**47**	**41**	**44**	**35**	**30**	
Max Heating	**69**	**63**	**60**	**62**	**50**	**47**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**51**	**44**	**40**	**36**	**19**	**11**	**35**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**68**	**59**	**54**	**47**	**43**	**41**	
Max Heating	**63**	**60**	**59**	**55**	**53**	**51**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**39**	**29**	**13**	**0**	**0**	**2**	**19**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-02**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.079**	**0.429**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.54	MBH	**1000**	**55.00**	°F	**91.60**	°F	**91.60**	°F	**140.00**	°F	**115.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

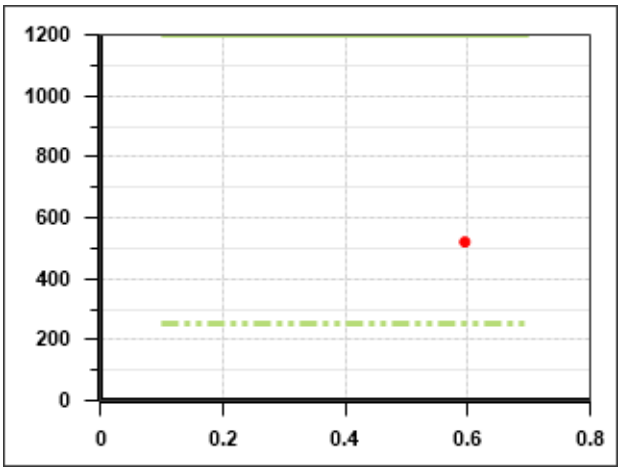
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**486**	CFM
Fan Airflow:	**514**	CFM
Primary Heating Airflow:	**486**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**45**	**47**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-03**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.83	MBH	**1000**	**55.00**	°F	**91.10**	°F	**91.10**	°F	**140.00**	°F	**115.31**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

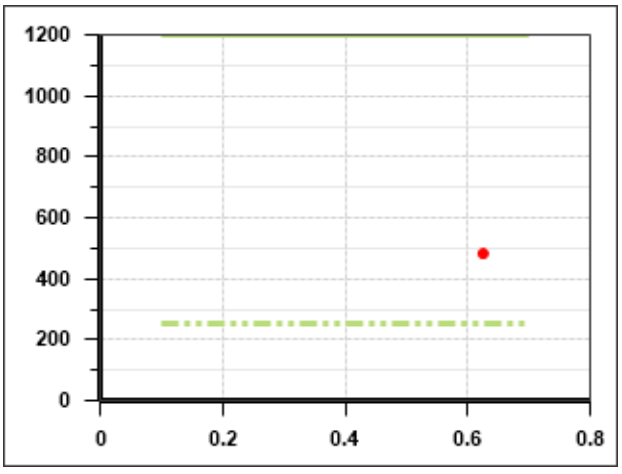
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**524**	CFM
Fan Airflow:	**476**	CFM
Primary Heating Airflow:	**524**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**56**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**38**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**43**	**35**	
Max Heating	**56**	**53**	**47**	**42**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**7**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-04**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.75	MBH	**1000**	**55.00**	°F	**91.23**	°F	**91.23**	°F	**140.00**	°F	**115.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

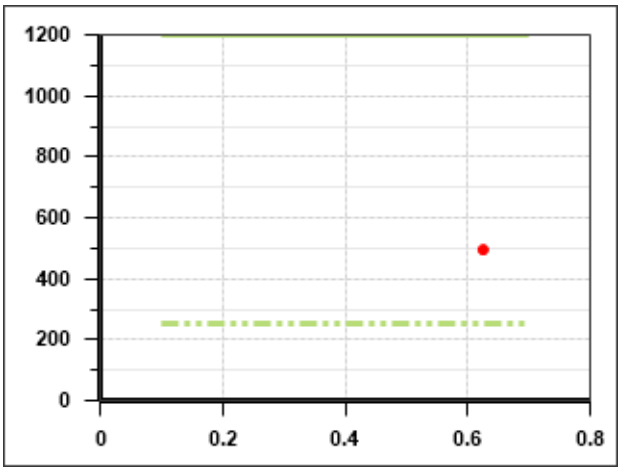
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**514**	CFM
Fan Airflow:	**486**	CFM
Primary Heating Airflow:	**514**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**56**	**53**	**48**	**43**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-05**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.79	MBH	**1000**	**55.00**	°F	**91.17**	°F	**91.17**	°F	**140.00**	°F	**115.34**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

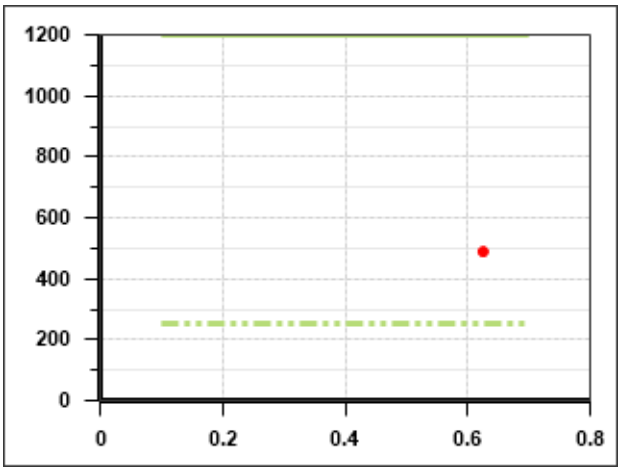
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**519**	CFM
Fan Airflow:	**481**	CFM
Primary Heating Airflow:	**519**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**56**	**53**	**48**	**43**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-06**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.079**	**0.396**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.43	MBH	**1000**	**55.00**	°F	**91.80**	°F	**91.80**	°F	**140.00**	°F	**115.65**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

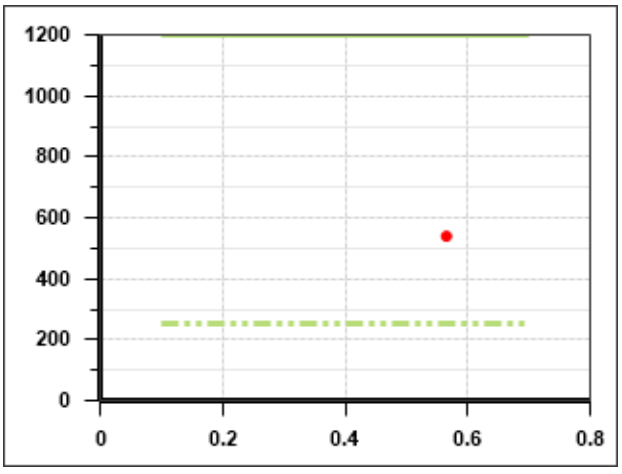
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**471**	CFM
Fan Airflow:	**529**	CFM
Primary Heating Airflow:	**471**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**39**	**43**	**31**	**23**	
Max Heating	**58**	**52**	**46**	**48**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**33**	**26**	**22**	**6**	**1**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**48**	**50**	**44**	**36**	
Max Heating	**58**	**55**	**50**	**46**	**48**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**31**	**26**	**10**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-07**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.049**	**0.239**	**16**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.44**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
27.62	MBH	**800**	**55.00**	°F	**90.14**	°F	**90.14**	°F	**140.00**	°F	**123.43**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.19**	in. H2O	**1.34**	ft. H2O	**3.50**	GPM	**Propylene Glycol**	**25.00**

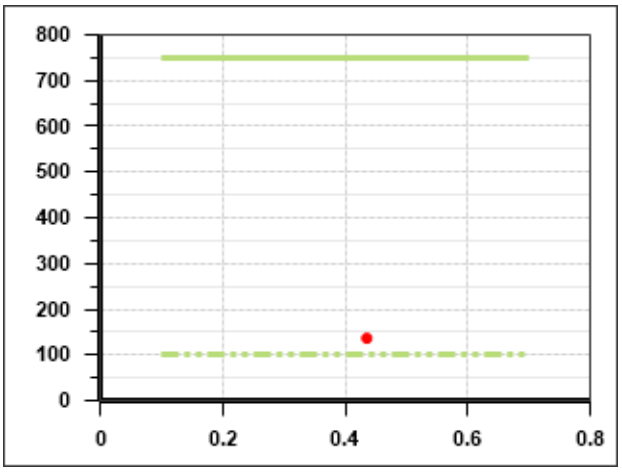
Design Air Flow

Max Primary:	**800**	CFM
Min Primary:	**668**	CFM
Fan Airflow:	**132**	CFM
Primary Heating Airflow:	**668**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**48**	**33**	**26**	**27**	**18**	**19**	
Max Heating	**55**	**47**	**39**	**41**	**32**	**30**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**28**	**19**	**15**	**1**	**0**	**16**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**58**	**43**	**36**	**34**	**31**	**26**	
Max Heating	**55**	**49**	**47**	**47**	**42**	**36**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**31**	**21**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-08**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.110**	**0.383**	**29**	**18**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
25.15	MBH	**1000**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**121.73**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.92**	ft. H2O	**2.89**	GPM	**Propylene Glycol**	**25.00**

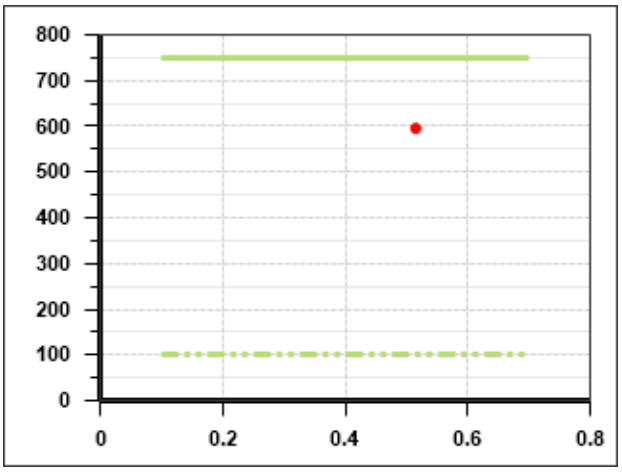
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**410**	CFM
Fan Airflow:	**590**	CFM
Primary Heating Airflow:	**410**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**44**	**37**	**38**	**28**	**31**	
Max Heating	**65**	**57**	**47**	**48**	**38**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**38**	**27**	**22**	**7**	**0**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**55**	**50**	**50**	**45**	**41**	
Max Heating	**64**	**59**	**55**	**56**	**50**	**48**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**26**	**10**	**0**	**0**	**2**	**18**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-09**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.119**	**0.392**	**31**	**21**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
22.67	MBH	**1000**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**120.58**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.66**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

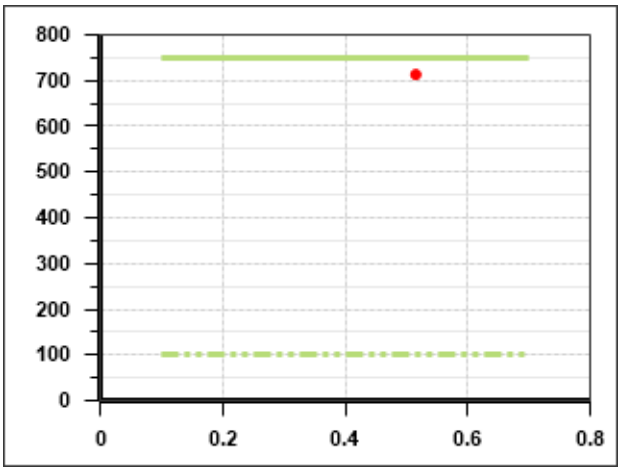
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**294**	CFM
Fan Airflow:	**706**	CFM
Primary Heating Airflow:	**294**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**56**	**46**	**39**	**40**	**29**	**31**	
Max Heating	**67**	**59**	**49**	**49**	**40**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**49**	**40**	**29**	**23**	**9**	**1**	**31**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**66**	**56**	**51**	**52**	**46**	**41**	
Max Heating	**66**	**64**	**57**	**58**	**52**	**54**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**37**	**34**	**16**	**7**	**0**	**15**	**21**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-10**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.078**	**0.428**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.58	MBH	**1000**	**55.00**	°F	**91.53**	°F	**91.53**	°F	**140.00**	°F	**115.52**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

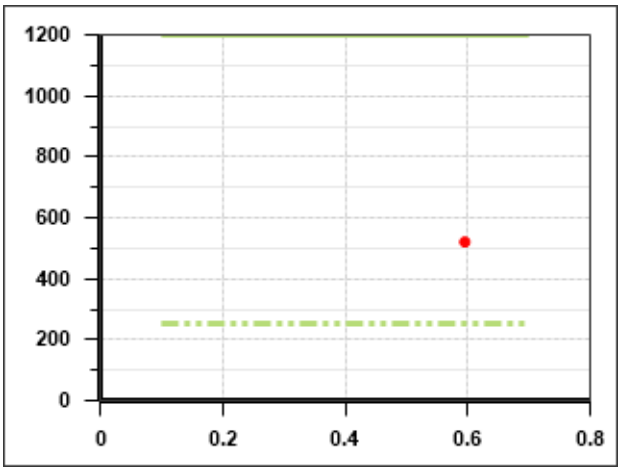
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**491**	CFM
Fan Airflow:	**509**	CFM
Primary Heating Airflow:	**491**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**44**	**47**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model

FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-11**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.75	MBH	**1000**	**55.00**	°F	**91.23**	°F	**91.23**	°F	**140.00**	°F	**115.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

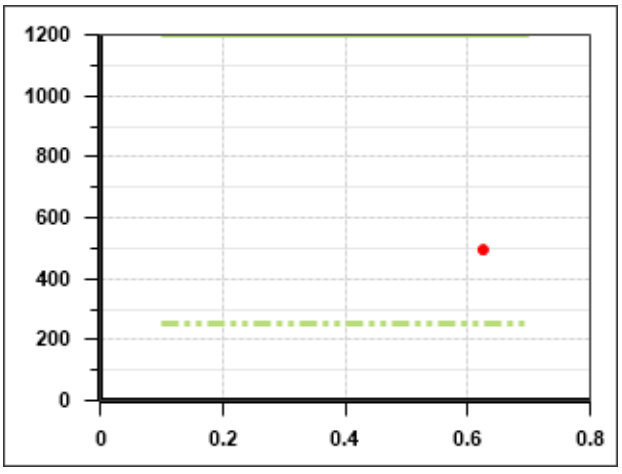
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**514**	CFM
Fan Airflow:	**486**	CFM
Primary Heating Airflow:	**514**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**56**	**53**	**48**	**43**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C6-512

Project: HOG Pinnacle 11-7-25
Tag: VAV 2-5-12
Altitude: 0 Feet

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C6	12	22x18	2350	235	1.000	0.250	0.103	0.506	35	19



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2400 CFM	400 CFM	ECM VCU	1	0.65 in. H2O	277/1	6.20	7.75	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
42.44 MBH	1800	55.00 °F	89.97 °F	89.97 °F	140.00 °F	115.87 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.40 in. H2O	1.81 ft. H2O	3.69 GPM	Propylene Glycol	25.00

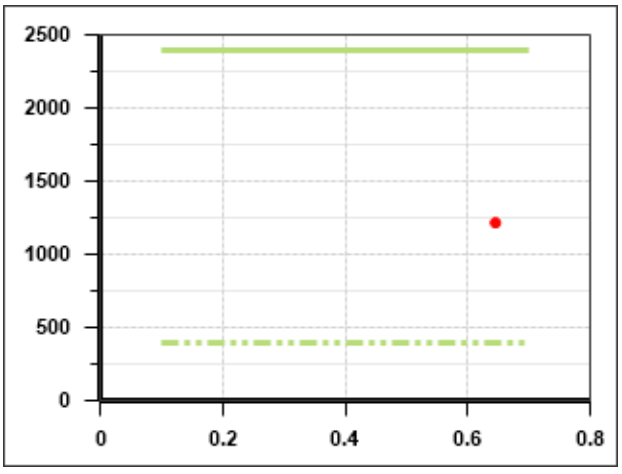
Design Air Flow

Max Primary:	2100 CFM
Min Primary:	609 CFM
Fan Airflow:	1191 CFM
Primary Heating Airflow:	609 CFM

Accessories:

Heating Coil:	HW
Inlet:	Attenuator
Outlet:	No Attenuator

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	57	47	41	44	35	30	
Max Heating	70	64	60	62	50	47	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	52	45	40	36	19	11	35

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	68	59	54	47	43	42	
Max Heating	63	60	59	55	53	51	
Total Attenuation	29	30	41	51	52	39	
Room Sound Level	39	29	13	0	0	3	19

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-14**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.115**	**0.314**	**25**	**16**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.45**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
27.53	MBH	**1000**	**55.00**	°F	**93.38**	°F	**93.38**	°F	**140.00**	°F	**116.42**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.20**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

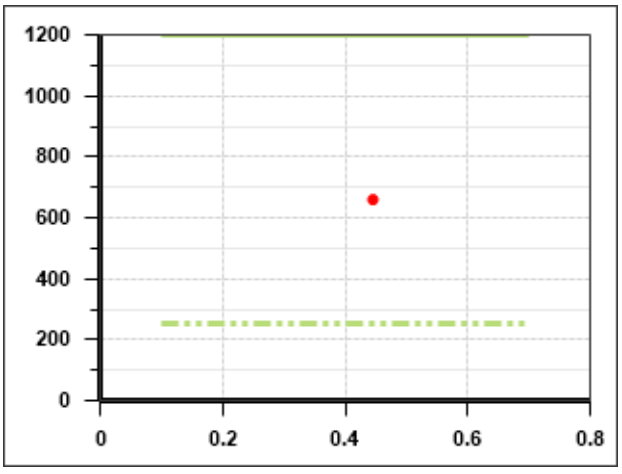
Design Air Flow

Max Primary:	**1200**	CFM
Min Primary:	**350**	CFM
Fan Airflow:	**650**	CFM
Primary Heating Airflow:	**350**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**56**	**43**	**40**	**44**	**33**	**26**	
Max Heating	**61**	**56**	**49**	**50**	**39**	**39**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**43**	**37**	**29**	**24**	**8**	**3**	**25**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**64**	**58**	**49**	**51**	**46**	**39**	
Max Heating	**62**	**59**	**56**	**53**	**50**	**45**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**35**	**30**	**16**	**2**	**0**	**6**	**16**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-17**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.080**	**0.397**	**21**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.30	MBH	**1000**	**55.00**	°F	**92.02**	°F	**92.02**	°F	**140.00**	°F	**115.76**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

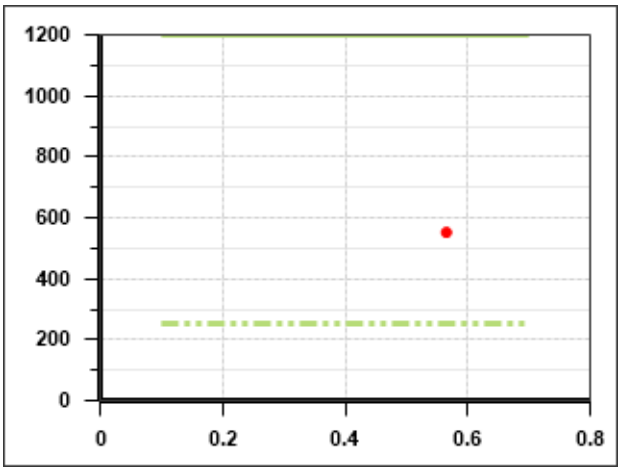
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**454**	CFM
Fan Airflow:	**546**	CFM
Primary Heating Airflow:	**454**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**39**	**43**	**32**	**23**	
Max Heating	**58**	**53**	**47**	**48**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**34**	**27**	**22**	**6**	**1**	**21**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**48**	**50**	**45**	**36**	
Max Heating	**58**	**55**	**51**	**47**	**48**	**41**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**31**	**26**	**11**	**0**	**0**	**2**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-18**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.081**	**0.367**	**22**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.54**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.13	MBH	**1000**	**55.00**	°F	**92.33**	°F	**92.33**	°F	**140.00**	°F	**115.91**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.29**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

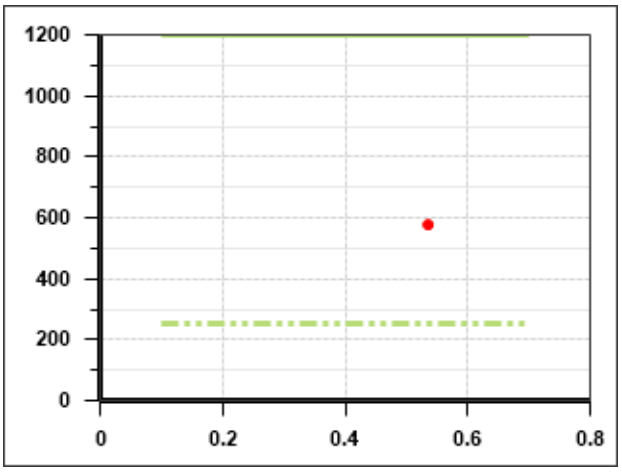
Design Air Flow

Max Primary:	**1500**	CFM
Min Primary:	**430**	CFM
Fan Airflow:	**570**	CFM
Primary Heating Airflow:	**430**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**40**	**44**	**32**	**24**	
Max Heating	**59**	**54**	**47**	**49**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**41**	**35**	**27**	**23**	**6**	**1**	**22**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**49**	**51**	**45**	**37**	
Max Heating	**59**	**56**	**52**	**48**	**48**	**42**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**32**	**27**	**12**	**0**	**0**	**3**	**< 15**

METALAIRE

Model FVI-C3-512

Project: HOG Pinnacle 11-7-25
Tag: VAV 2-5-19
Altitude: 0 Feet

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C3	12	20x17.5	2350	235	1.000	0.250	0.081	0.398	22	0



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
1200 CFM	250 CFM	ECM VCU	1/2	0.57 in. H2O	277/1	3.40	4.25	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
28.13 MBH	1000	55.00 °F	92.33 °F	92.33 °F	140.00 °F	115.91 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.32 in. H2O	0.77 ft. H2O	2.45 GPM	Propylene Glycol	25.00

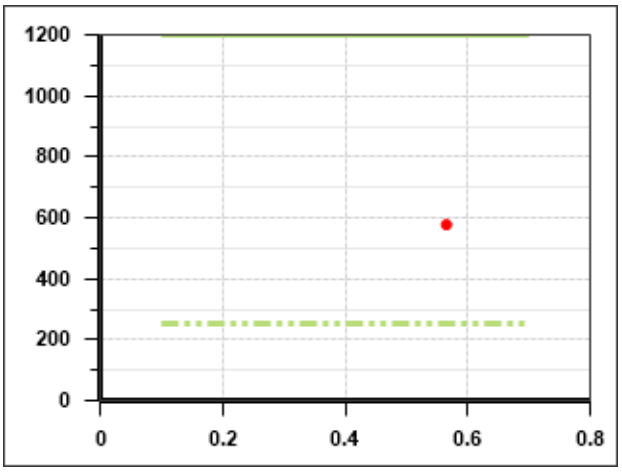
Design Air Flow

Max Primary:	1600 CFM
Min Primary:	430 CFM
Fan Airflow:	570 CFM
Primary Heating Airflow:	430 CFM

Accessories:

Heating Coil:	HW
Inlet:	Attenuator
Outlet:	No Attenuator

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	54	41	40	44	32	24	
Max Heating	59	54	47	49	37	37	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	41	35	27	23	6	1	22

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	62	56	49	51	45	37	
Max Heating	59	56	52	48	48	42	
Total Attenuation	27	29	40	51	53	39	
Room Sound Level	32	27	12	0	0	3	< 15

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-20**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.078**	**0.428**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.60	MBH	**1000**	**55.00**	°F	**91.51**	°F	**91.51**	°F	**140.00**	°F	**115.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

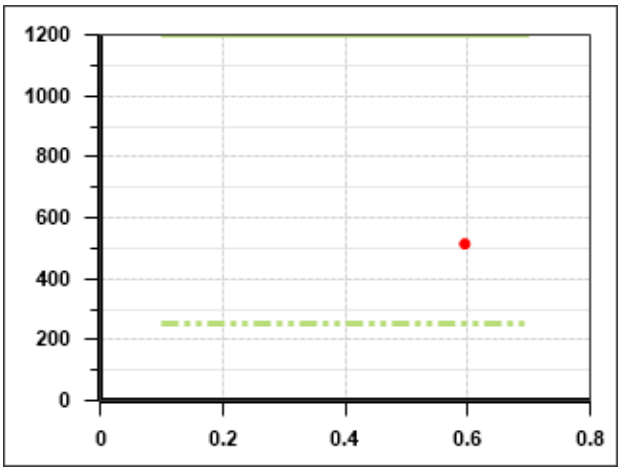
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**493**	CFM
Fan Airflow:	**507**	CFM
Primary Heating Airflow:	**493**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**44**	**47**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-21**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.110**	**0.383**	**29**	**18**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
25.15	MBH	**1000**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**121.73**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.92**	ft. H2O	**2.89**	GPM	**Propylene Glycol**	**25.00**

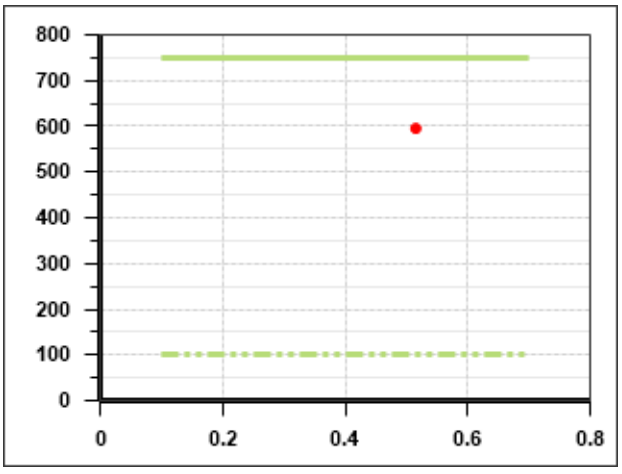
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**410**	CFM
Fan Airflow:	**590**	CFM
Primary Heating Airflow:	**410**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**44**	**37**	**38**	**28**	**31**	
Max Heating	**65**	**57**	**47**	**48**	**38**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**38**	**27**	**22**	**7**	**0**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**55**	**50**	**50**	**45**	**41**	
Max Heating	**64**	**59**	**55**	**56**	**50**	**48**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**26**	**10**	**0**	**0**	**2**	**18**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-22**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.110**	**0.383**	**29**	**18**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
25.15	MBH	**1000**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**121.73**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.92**	ft. H2O	**2.89**	GPM	**Propylene Glycol**	**25.00**

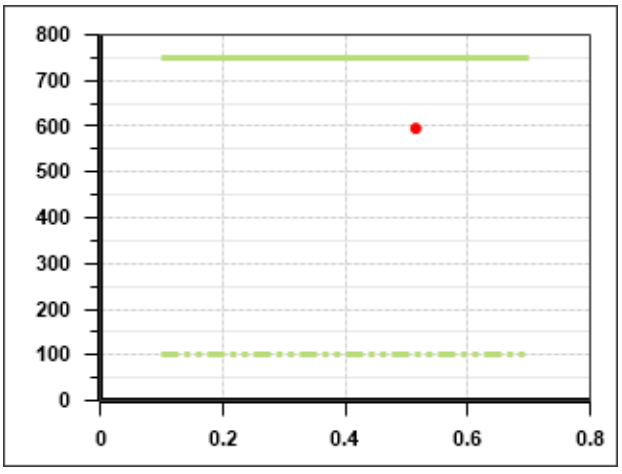
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**410**	CFM
Fan Airflow:	**590**	CFM
Primary Heating Airflow:	**410**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**44**	**37**	**38**	**28**	**31**	
Max Heating	**65**	**57**	**47**	**48**	**38**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**38**	**27**	**22**	**7**	**0**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**55**	**50**	**50**	**45**	**41**	
Max Heating	**64**	**59**	**55**	**56**	**50**	**48**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**26**	**10**	**0**	**0**	**2**	**18**

METALAIRE

Model FVI-C7-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-01A**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C7**	**14**	**30x20**	**3250**	**325**	**1.000**	**0.250**	**0.103**	**0.412**	**36**	**30**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2500 CFM	**1000** CFM	**ECM VCU**	**1**	**0.56** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
71.91 MBH	**2700**	**55.00** °F	**89.93** °F	**89.93** °F	**140.00** °F	**119.07** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.31** in. H2O	**4.24** ft. H2O	**7.21** GPM	**Propylene Glycol**	**25.00**

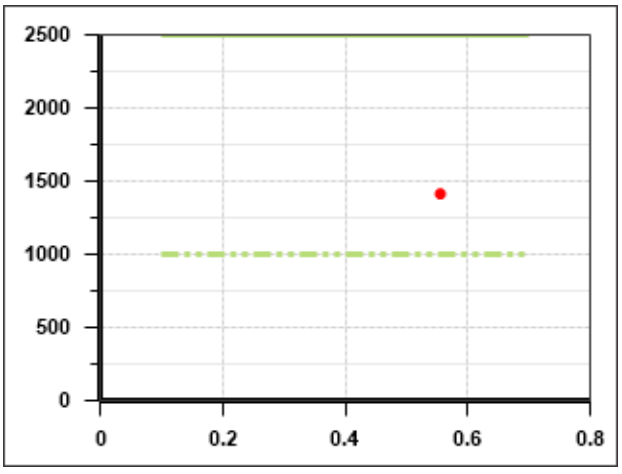
Design Air Flow

Max Primary:	**2700** CFM
Min Primary:	**1300** CFM
Fan Airflow:	**1400** CFM
Primary Heating Airflow:	**1300** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**45**	**50**	**42**	**37**	
Max Heating	**71**	**63**	**58**	**60**	**46**	**44**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**53**	**44**	**38**	**34**	**15**	**8**	**36**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**69**	**64**	**57**	**56**	**52**	**50**	
Max Heating	**71**	**68**	**70**	**65**	**64**	**67**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**38**	**29**	**14**	**12**	**28**	**30**

METALAIRE

Model FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-03**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.090**	**0.407**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
2000	CFM	**400**	CFM	**ECM VCU**	**1**	**0.57**	in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
43.36	MBH	**1600**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**121.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**2.92**	ft. H2O	**4.83**	GPM	**Propylene Glycol**	**25.00**

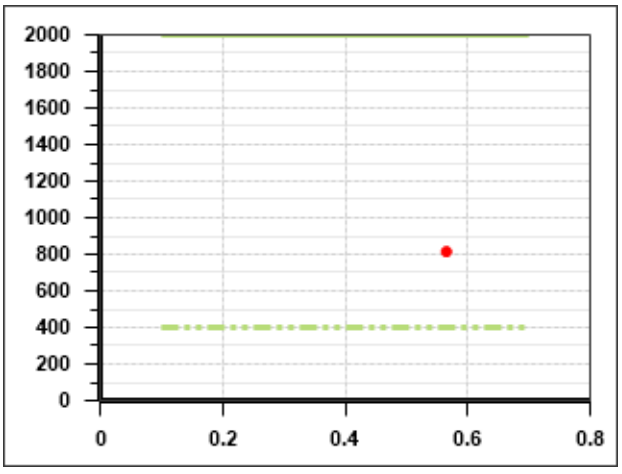
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**800**	CFM
Fan Airflow:	**800**	CFM
Primary Heating Airflow:	**800**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**48**	**43**	**35**	**38**	**27**	**21**	
Max Heating	**57**	**50**	**44**	**42**	**34**	**34**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**31**	**24**	**16**	**3**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**53**	**46**	**45**	**40**	**35**	
Max Heating	**60**	**56**	**50**	**46**	**43**	**40**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**31**	**26**	**9**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-06**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.095**	**0.523**	**22**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2000 CFM	**400** CFM	**ECM VCU**	**1**	**0.68** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
31.09 MBH	**1350**	**55.00** °F	**90.01** °F	**90.01** °F	**140.00** °F	**103.79** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
3	**12**	**0.43** in. H2O	**0.27** ft. H2O	**1.80** GPM	**Propylene Glycol**	**25.00**

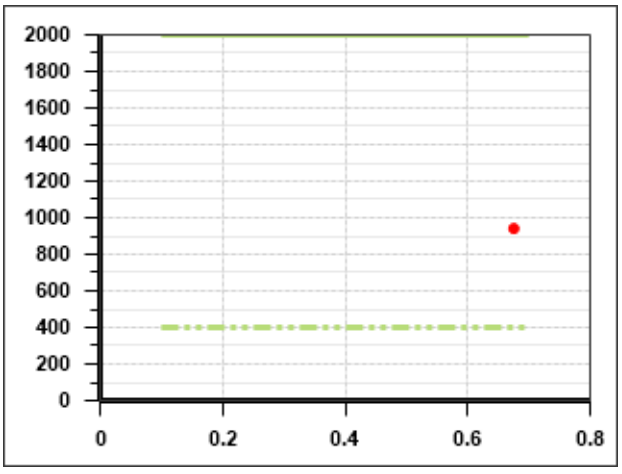
Design Air Flow

Max Primary:	**1500** CFM
Min Primary:	**420** CFM
Fan Airflow:	**930** CFM
Primary Heating Airflow:	**420** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**50**	**44**	**37**	**41**	**29**	**24**	
Max Heating	**60**	**52**	**47**	**46**	**38**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**42**	**33**	**27**	**20**	**7**	**1**	**22**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**54**	**48**	**48**	**42**	**38**	
Max Heating	**63**	**58**	**57**	**54**	**51**	**48**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**28**	**16**	**3**	**0**	**9**	**< 15**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-07**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.138**	**0.337**	**30**	**21**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.45**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
26.75	MBH	**1200**	**55.00**	°F	**91.22**	°F	**91.22**	°F	**140.00**	°F	**114.49**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.20**	in. H2O	**0.62**	ft. H2O	**2.20**	GPM	**Propylene Glycol**	**25.00**

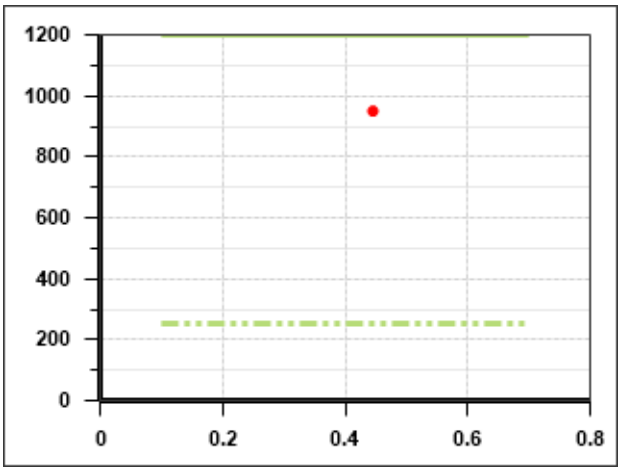
Design Air Flow

Max Primary:	**1200**	CFM
Min Primary:	**260**	CFM
Fan Airflow:	**940**	CFM
Primary Heating Airflow:	**260**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**43**	**46**	**35**	**30**	
Max Heating	**66**	**60**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**41**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**70**	**63**	**60**	**61**	**58**	**57**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**41**	**33**	**19**	**10**	**6**	**18**	**21**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-08**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.109**	**0.331**	**22**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.47**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
26.07	MBH	**1000**	**55.00**	°F	**90.64**	°F	**90.64**	°F	**140.00**	°F	**97.97**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
3	**12**	**0.22**	in. H2O	**0.14**	ft. H2O	**1.30**	GPM	**Propylene Glycol**	**25.00**

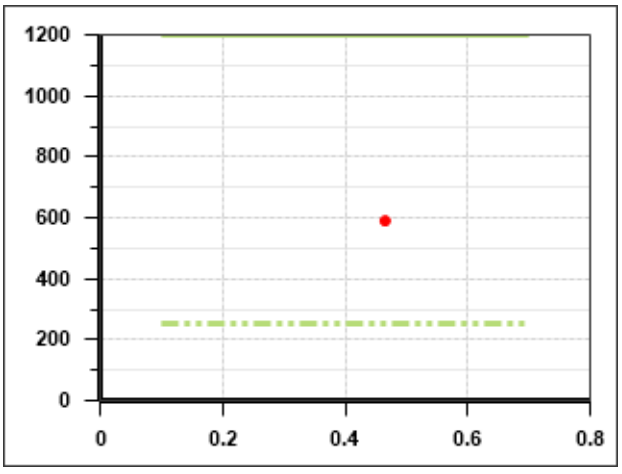
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**420**	CFM
Fan Airflow:	**580**	CFM
Primary Heating Airflow:	**420**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**40**	**44**	**32**	**24**	
Max Heating	**59**	**54**	**48**	**49**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**41**	**35**	**28**	**23**	**6**	**1**	**22**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**49**	**51**	**45**	**37**	
Max Heating	**60**	**57**	**52**	**49**	**48**	**42**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**33**	**28**	**12**	**0**	**0**	**3**	**< 15**

METALAIRE

Model FVI-C3-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-10**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**08**	**20x17.5**	**990**	**100**	**1.000**	**0.250**	**0.116**	**0.199**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.33**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
15.84	MBH	**700**	**55.00**	°F	**90.15**	°F	**90.15**	°F	**140.00**	°F	**103.10**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.08**	in. H2O	**0.11**	ft. H2O	**0.90**	GPM	**Propylene Glycol**	**25.00**

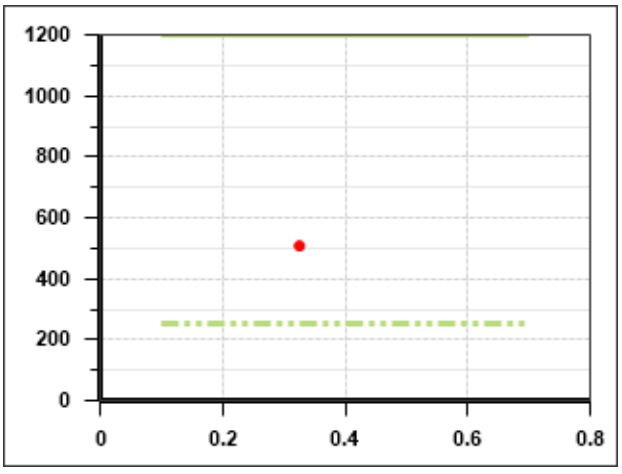
Design Air Flow

Max Primary:	**700**	CFM
Min Primary:	**200**	CFM
Fan Airflow:	**500**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**44**	**47**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-13A**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C2	10	16x15	1640	165	1.000	0.250	0.053	0.304	16	0



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
750 CFM	100 CFM	ECM VCU	1/3	0.50 in. H2O	277/1	2.40	3.00	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
31.54 MBH	900	55.00 °F	89.98 °F	89.98 °F	140.00 °F	126.37 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.25 in. H2O	2.56 ft. H2O	4.86 GPM	Propylene Glycol	25.00

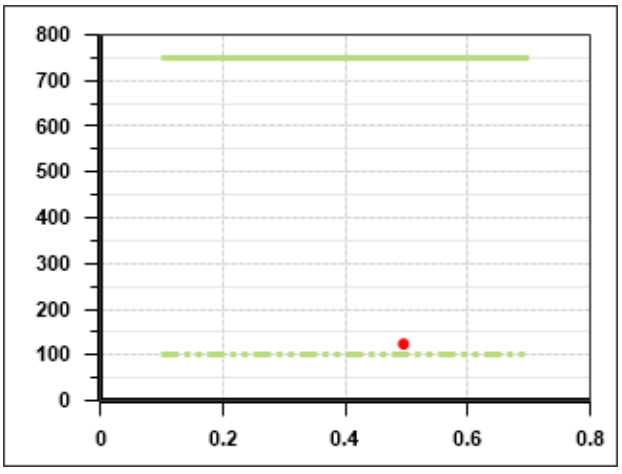
Design Air Flow

Max Primary:	**950** CFM
Min Primary:	**780** CFM
Fan Airflow:	**120** CFM
Primary Heating Airflow:	**780** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	48	33	26	27	18	19	
Max Heating	55	47	39	41	32	30	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	37	28	19	15	1	0	16

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	58	43	36	34	31	26	
Max Heating	55	49	47	47	42	36	
Total Attenuation	24	28	39	53	59	40	
Room Sound Level	31	21	8	0	0	0	< 15

METALAIRE

Model FVI-C2-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-14**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**08**	**16x15**	**990**	**100**	**1.000**	**0.250**	**0.110**	**0.246**	**25**	**15**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.39**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
14.97	MBH	**650**	**55.00**	°F	**90.09**	°F	**90.09**	°F	**140.00**	°F	**113.82**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.14**	in. H2O	**0.16**	ft. H2O	**1.20**	GPM	**Propylene Glycol**	**25.00**

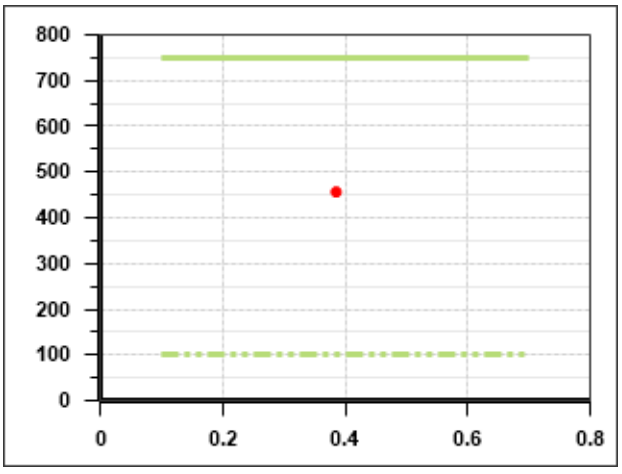
Design Air Flow

Max Primary:	**650**	CFM
Min Primary:	**200**	CFM
Fan Airflow:	**450**	CFM
Primary Heating Airflow:	**200**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**52**	**41**	**34**	**36**	**25**	**28**	
Max Heating	**62**	**54**	**45**	**46**	**37**	**34**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**44**	**35**	**25**	**20**	**6**	**0**	**25**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**63**	**52**	**46**	**46**	**41**	**36**	
Max Heating	**58**	**53**	**53**	**52**	**47**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**36**	**23**	**6**	**0**	**0**	**0**	**15**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-17**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.099**	**0.259**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.41**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
30.23	MBH	**1050**	**55.00**	°F	**90.12**	°F	**90.12**	°F	**140.00**	°F	**115.13**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.16**	in. H2O	**0.83**	ft. H2O	**2.55**	GPM	**Propylene Glycol**	**25.00**

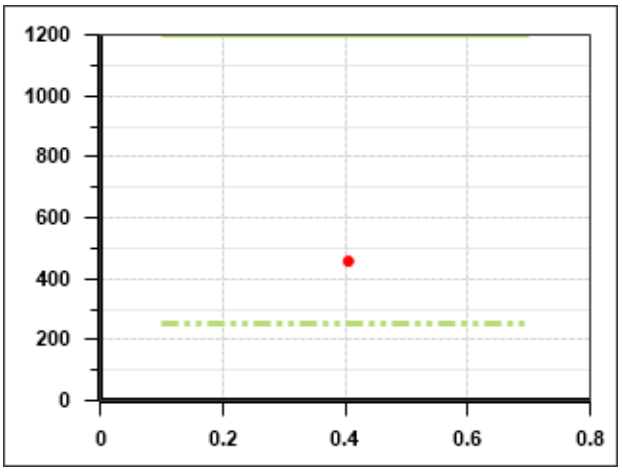
Design Air Flow

Max Primary:	**1050**	CFM
Min Primary:	**600**	CFM
Fan Airflow:	**450**	CFM
Primary Heating Airflow:	**600**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**39**	**38**	**42**	**30**	**22**	
Max Heating	**56**	**50**	**45**	**46**	**35**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**38**	**31**	**25**	**20**	**4**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**54**	**47**	**49**	**43**	**34**	
Max Heating	**55**	**52**	**46**	**41**	**46**	**37**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**28**	**23**	**6**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-25**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.098**	**0.384**	**32**	**22**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.54**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
34.30	MBH	**1500**	**55.00**	°F	**89.95**	°F	**89.95**	°F	**140.00**	°F	**116.17**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.29**	in. H2O	**1.16**	ft. H2O	**3.02**	GPM	**Propylene Glycol**	**25.00**

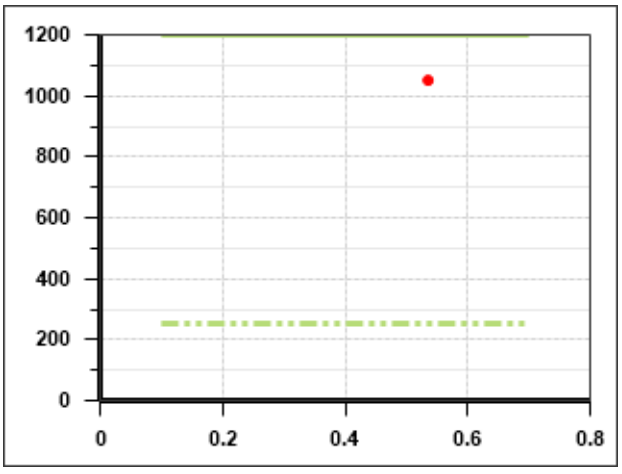
Design Air Flow

Max Primary:	**1500**	CFM
Min Primary:	**460**	CFM
Fan Airflow:	**1040**	CFM
Primary Heating Airflow:	**460**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**47**	**44**	**47**	**36**	**30**	
Max Heating	**68**	**62**	**54**	**55**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**50**	**43**	**34**	**29**	**12**	**7**	**32**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**71**	**65**	**61**	**61**	**59**	**58**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**35**	**20**	**10**	**7**	**19**	**22**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-1-31**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.121**	**0.246**	**26**	**16**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.38**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
18.57	MBH	**900**	**55.00**	°F	**90.03**	°F	**90.03**	°F	**140.00**	°F	**107.54**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.13**	in. H2O	**0.19**	ft. H2O	**1.20**	GPM	**Propylene Glycol**	**25.00**

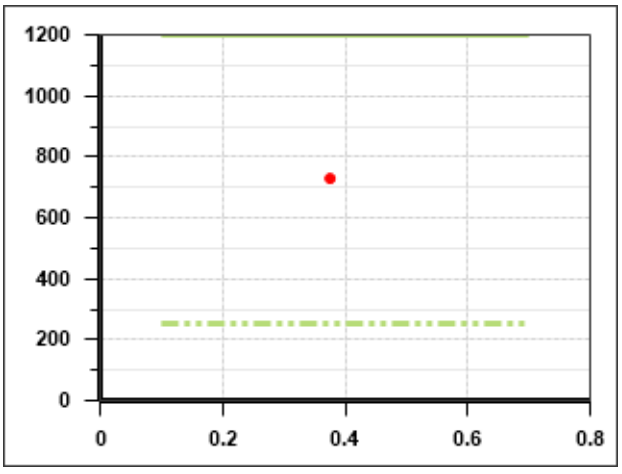
Design Air Flow

Max Primary:	**900**	CFM
Min Primary:	**180**	CFM
Fan Airflow:	**720**	CFM
Primary Heating Airflow:	**180**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**44**	**41**	**45**	**33**	**28**	
Max Heating	**63**	**57**	**51**	**52**	**40**	**40**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**45**	**38**	**31**	**26**	**9**	**4**	**26**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**59**	**50**	**52**	**47**	**41**	
Max Heating	**64**	**60**	**57**	**56**	**51**	**47**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**35**	**30**	**16**	**5**	**0**	**8**	**16**

METALAIRE

Model FVI-C7-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-01**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C7**	**14**	**30x20**	**3250**	**325**	**1.000**	**0.250**	**0.115**	**0.370**	**36**	**30**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2500 CFM	**1000** CFM	**ECM VCU**	**1**	**0.51** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
55.20 MBH	**2400**	**55.00** °F	**90.04** °F	**90.04** °F	**140.00** °F	**113.74** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.26** in. H2O	**1.61** ft. H2O	**4.41** GPM	**Propylene Glycol**	**25.00**

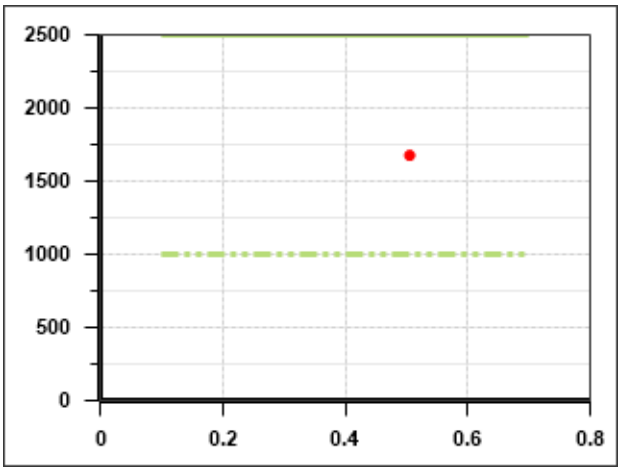
Design Air Flow

Max Primary:	**2400** CFM
Min Primary:	**740** CFM
Fan Airflow:	**1660** CFM
Primary Heating Airflow:	**740** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**49**	**48**	**54**	**45**	**40**	
Max Heating	**71**	**63**	**58**	**60**	**46**	**44**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**53**	**44**	**38**	**34**	**15**	**8**	**36**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**72**	**66**	**58**	**57**	**54**	**52**	
Max Heating	**71**	**68**	**70**	**65**	**64**	**67**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**38**	**29**	**14**	**12**	**28**	**30**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-02**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.120**	**0.293**	**26**	**16**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.42**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
26.41	MBH	**1050**	**55.00**	°F	**91.72**	°F	**91.72**	°F	**140.00**	°F	**114.81**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.17**	in. H2O	**0.62**	ft. H2O	**2.20**	GPM	**Propylene Glycol**	**25.00**

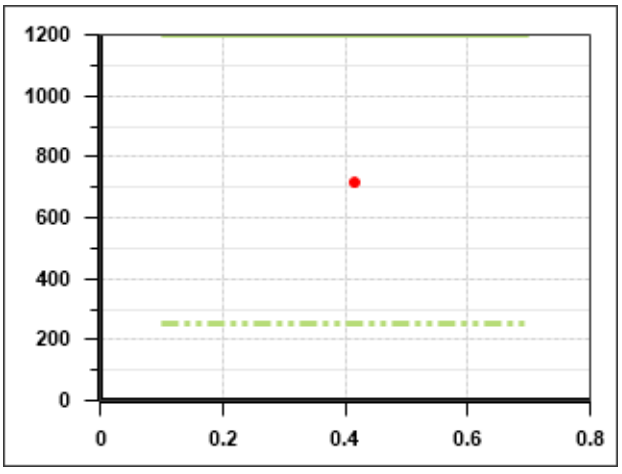
Design Air Flow

Max Primary:	**1100**	CFM
Min Primary:	**340**	CFM
Fan Airflow:	**710**	CFM
Primary Heating Airflow:	**340**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**44**	**41**	**45**	**33**	**27**	
Max Heating	**63**	**57**	**51**	**52**	**40**	**40**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**45**	**38**	**31**	**26**	**9**	**4**	**26**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**59**	**50**	**52**	**47**	**41**	
Max Heating	**64**	**60**	**57**	**56**	**51**	**47**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**35**	**30**	**16**	**5**	**0**	**8**	**16**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-07**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.098**	**0.399**	**32**	**22**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
1200 CFM	**250** CFM	**ECM VCU**	**1/2**	**0.55** in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
34.68 MBH	**1500**	**55.00** °F	**89.92** °F	**89.92** °F	**140.00** °F	**116.30** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.30** in. H2O	**1.20** ft. H2O	**3.07** GPM	**Propylene Glycol**	**25.00**

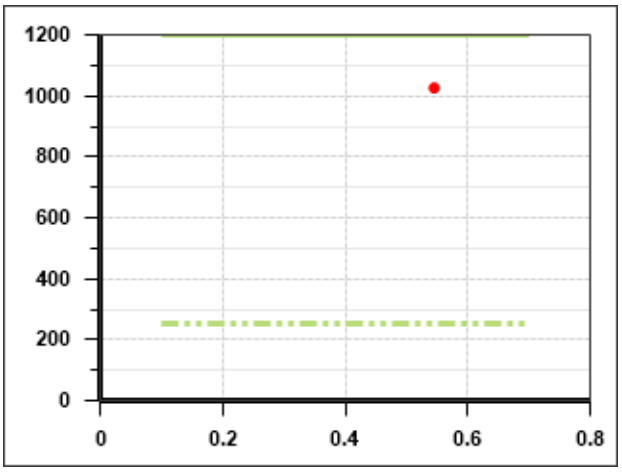
Design Air Flow

Max Primary:	**1550** CFM
Min Primary:	**480** CFM
Fan Airflow:	**1020** CFM
Primary Heating Airflow:	**480** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**47**	**44**	**47**	**36**	**30**	
Max Heating	**68**	**62**	**54**	**55**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**50**	**43**	**34**	**29**	**12**	**7**	**32**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**71**	**65**	**61**	**61**	**59**	**58**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**35**	**20**	**10**	**7**	**19**	**22**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-08**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.098**	**0.431**	**32**	**22**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.58**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
36.06	MBH	**1550**	**55.00**	°F	**90.00**	°F	**90.00**	°F	**140.00**	°F	**116.86**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.33**	in. H2O	**1.36**	ft. H2O	**3.27**	GPM	**Propylene Glycol**	**25.00**

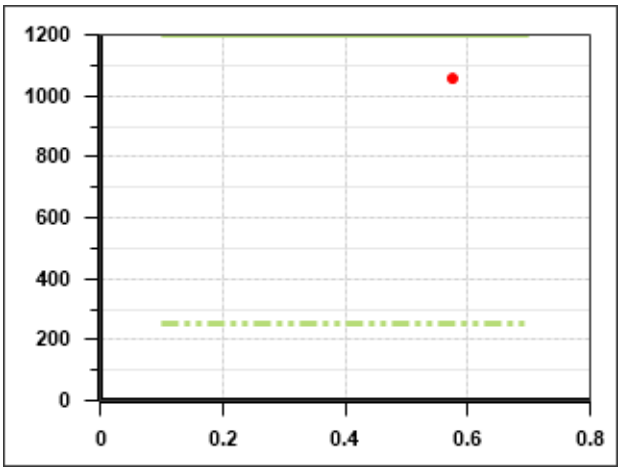
Design Air Flow

Max Primary:	**1650**	CFM
Min Primary:	**500**	CFM
Fan Airflow:	**1050**	CFM
Primary Heating Airflow:	**500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**60**	**47**	**44**	**47**	**36**	**30**	
Max Heating	**68**	**62**	**55**	**56**	**43**	**44**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**50**	**43**	**35**	**30**	**12**	**8**	**32**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**71**	**65**	**61**	**62**	**59**	**58**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**35**	**20**	**11**	**7**	**19**	**22**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-09**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.096**	**0.366**	**30**	**21**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.52**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
30.74	MBH	**1350**	**55.00**	°F	**90.07**	°F	**90.07**	°F	**140.00**	°F	**115.00**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.85**	ft. H2O	**2.58**	GPM	**Propylene Glycol**	**25.00**

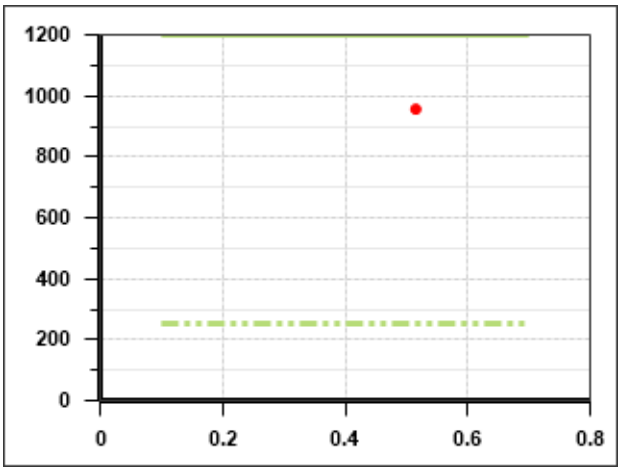
Design Air Flow

Max Primary:	**1450**	CFM
Min Primary:	**400**	CFM
Fan Airflow:	**950**	CFM
Primary Heating Airflow:	**400**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**43**	**46**	**35**	**30**	
Max Heating	**66**	**60**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**41**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**70**	**63**	**60**	**61**	**58**	**57**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**41**	**33**	**19**	**10**	**6**	**18**	**21**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-12**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.119**	**0.292**	**26**	**16**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.42**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
23.46	MBH	**1000**	**55.00**	°F	**90.63**	°F	**90.63**	°F	**140.00**	°F	**115.39**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.17**	in. H2O	**0.52**	ft. H2O	**2.00**	GPM	**Propylene Glycol**	**25.00**

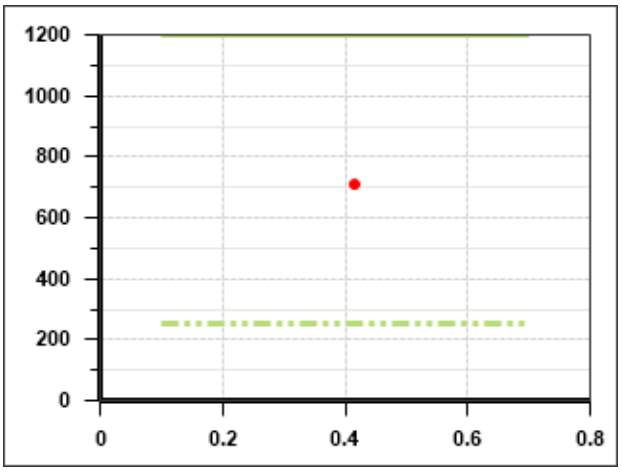
Design Air Flow

Max Primary:	**1100**	CFM
Min Primary:	**300**	CFM
Fan Airflow:	**700**	CFM
Primary Heating Airflow:	**300**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**44**	**40**	**44**	**33**	**27**	
Max Heating	**63**	**57**	**50**	**51**	**40**	**40**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**45**	**38**	**30**	**25**	**9**	**4**	**26**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**59**	**49**	**51**	**47**	**41**	
Max Heating	**63**	**60**	**57**	**55**	**51**	**47**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**34**	**30**	**16**	**4**	**0**	**8**	**16**

METALAIRE

Model FVI-C7-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-16**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C7	14	30x20	3250	325	1.000	0.250	0.112	0.359	36	30



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2500 CFM	1000 CFM	ECM VCU	1	0.50 in. H2O	277/1	6.20	7.75	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
54.46 MBH	2350	55.00 °F	90.07 °F	90.07 °F	140.00 °F	113.61 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.25 in. H2O	1.55 ft. H2O	4.33 GPM	Propylene Glycol	25.00

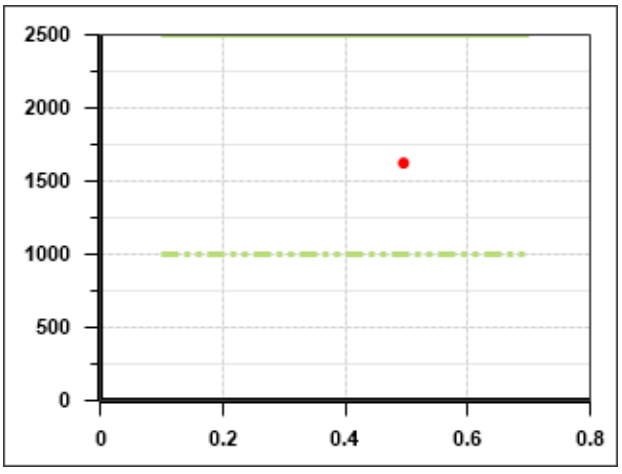
Design Air Flow

Max Primary:	**2350** CFM
Min Primary:	**740** CFM
Fan Airflow:	**1610** CFM
Primary Heating Airflow:	**740** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	60	48	47	53	44	39	
Max Heating	71	63	58	60	46	44	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	53	44	38	34	15	8	36

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	71	66	58	57	54	51	
Max Heating	71	68	70	65	64	67	
Total Attenuation	29	30	41	51	52	39	
Room Sound Level	42	38	29	14	12	28	30

METALAIRE

Model FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-17**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.107**	**0.508**	**32**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2000 CFM	**400** CFM	**ECM VCU**	**1**	**0.65** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
42.21 MBH	**1850**	**55.00** °F	**89.98** °F	**89.98** °F	**140.00** °F	**120.18** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.40** in. H2O	**2.51** ft. H2O	**4.47** GPM	**Propylene Glycol**	**25.00**

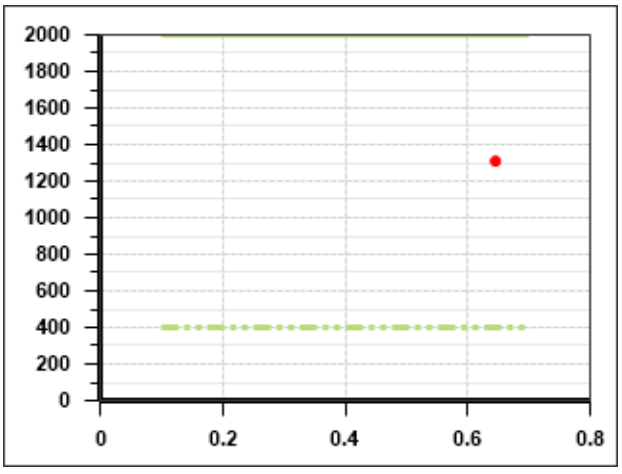
Design Air Flow

Max Primary:	**1850** CFM
Min Primary:	**560** CFM
Fan Airflow:	**1290** CFM
Primary Heating Airflow:	**560** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**55**	**48**	**40**	**44**	**33**	**27**	
Max Heating	**68**	**58**	**56**	**55**	**49**	**47**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**50**	**39**	**36**	**29**	**18**	**11**	**32**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**63**	**58**	**51**	**51**	**46**	**42**	
Max Heating	**61**	**62**	**60**	**58**	**55**	**54**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**32**	**32**	**19**	**7**	**3**	**15**	**19**

METALAIRE

Model

FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-2-18**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.091**	**0.304**	**29**	**18**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.46**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
29.03	MBH	**1200**	**55.00**	°F	**90.98**	°F	**90.98**	°F	**140.00**	°F	**115.14**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.21**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

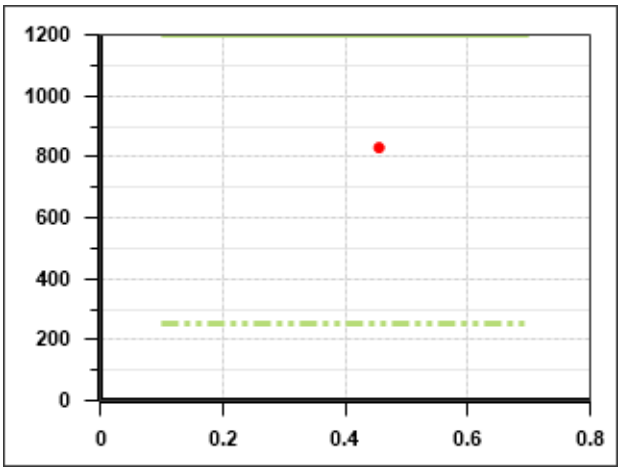
Design Air Flow

Max Primary:	**1250**	CFM
Min Primary:	**380**	CFM
Fan Airflow:	**820**	CFM
Primary Heating Airflow:	**380**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**58**	**45**	**42**	**45**	**34**	**29**	
Max Heating	**65**	**58**	**52**	**53**	**42**	**42**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**39**	**32**	**27**	**11**	**6**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**66**	**60**	**50**	**52**	**48**	**43**	
Max Heating	**66**	**61**	**58**	**58**	**55**	**51**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**37**	**31**	**17**	**7**	**3**	**12**	**18**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-01**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.094**	**0.364**	**30**	**20**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.52**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
35.18	MBH	**1450**	**55.00**	°F	**89.92**	°F	**89.92**	°F	**140.00**	°F	**116.57**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**1.26**	ft. H2O	**3.15**	GPM	**Propylene Glycol**	**25.00**

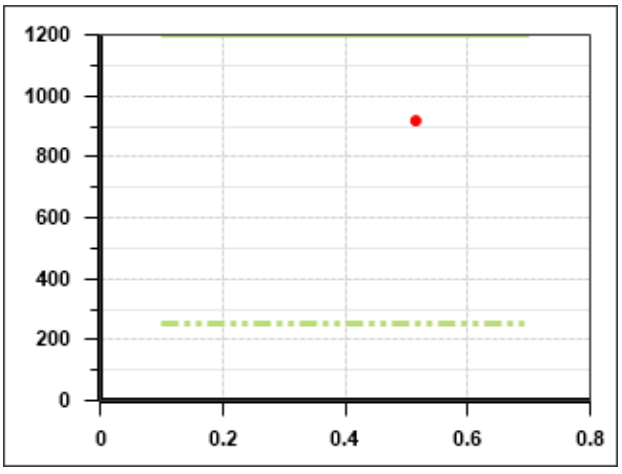
Design Air Flow

Max Primary:	**1450**	CFM
Min Primary:	**540**	CFM
Fan Airflow:	**910**	CFM
Primary Heating Airflow:	**540**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**43**	**46**	**35**	**30**	
Max Heating	**66**	**60**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**41**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**69**	**63**	**60**	**61**	**58**	**56**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**40**	**33**	**19**	**10**	**6**	**17**	**20**

METALAIRE

Model FVI-C1-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-02**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C1**	**08**	**16x15**	**990**	**100**	**1.000**	**0.250**	**0.096**	**0.326**	**29**	**15**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
600	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.48**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
27.22	MBH	**900**	**55.00**	°F	**90.00**	°F	**90.00**	°F	**140.00**	°F	**122.94**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.23**	in. H2O	**1.23**	ft. H2O	**3.35**	GPM	**Propylene Glycol**	**25.00**

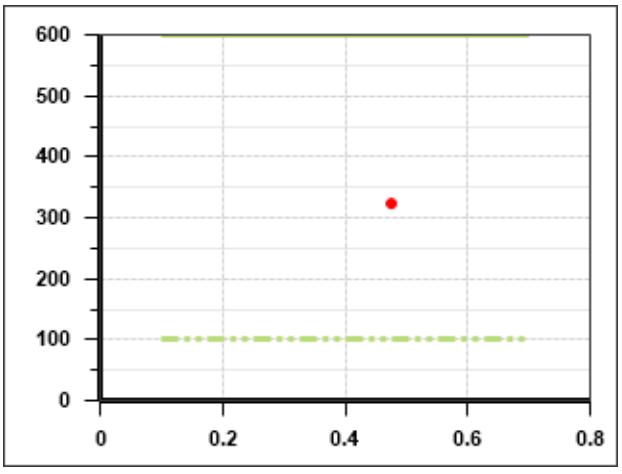
Design Air Flow

Max Primary:	**900**	CFM
Min Primary:	**580**	CFM
Fan Airflow:	**320**	CFM
Primary Heating Airflow:	**580**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**49**	**39**	**36**	**36**	**27**	**29**	
Max Heating	**65**	**58**	**51**	**53**	**44**	**41**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**39**	**31**	**27**	**13**	**5**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**47**	**44**	**38**	**39**	**38**	
Max Heating	**61**	**58**	**54**	**52**	**48**	**43**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**34**	**29**	**14**	**1**	**0**	**4**	**15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-04**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.100**	**0.417**	**34**	**24**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
36.91	MBH	**1600**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**117.16**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**1.46**	ft. H2O	**3.39**	GPM	**Propylene Glycol**	**25.00**

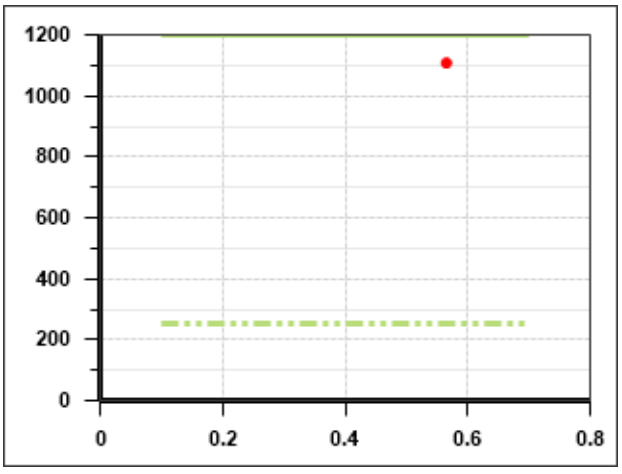
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**500**	CFM
Fan Airflow:	**1100**	CFM
Primary Heating Airflow:	**500**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**48**	**44**	**47**	**36**	**30**	
Max Heating	**69**	**63**	**55**	**56**	**44**	**44**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**51**	**44**	**35**	**30**	**13**	**8**	**34**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**71**	**66**	**61**	**62**	**59**	**58**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**42**	**36**	**20**	**11**	**7**	**19**	**24**

METALAIRE

Model

FVI-C5-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 1-3-05**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C5**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.105**	**0.489**	**31**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2000 CFM	**400** CFM	**ECM VCU**	**1**	**0.63** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
41.26 MBH	**1800**	**55.00** °F	**89.91** °F	**89.91** °F	**140.00** °F	**118.57** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.38** in. H2O	**2.05** ft. H2O	**4.04** GPM	**Propylene Glycol**	**25.00**

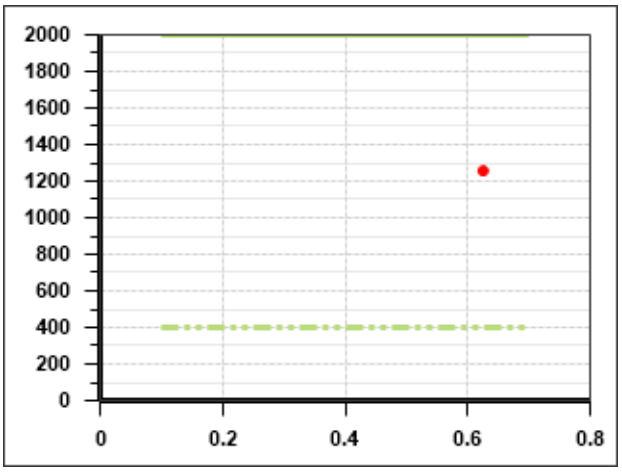
Design Air Flow

Max Primary:	**1800** CFM
Min Primary:	**560** CFM
Fan Airflow:	**1240** CFM
Primary Heating Airflow:	**560** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**47**	**40**	**43**	**32**	**27**	
Max Heating	**67**	**57**	**55**	**54**	**48**	**46**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**49**	**38**	**35**	**28**	**17**	**10**	**31**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**63**	**57**	**51**	**51**	**45**	**41**	
Max Heating	**60**	**62**	**59**	**57**	**54**	**53**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**31**	**32**	**18**	**6**	**2**	**14**	**19**

METALAIRE

Model FVI-C2-508

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-03**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**08**	**16x15**	**990**	**100**	**1.000**	**0.250**	**0.086**	**0.175**	**16**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.34**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
14.34	MBH	**500**	**55.00**	°F	**90.25**	°F	**90.25**	°F	**140.00**	°F	**112.64**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.09**	in. H2O	**0.14**	ft. H2O	**1.10**	GPM	**Propylene Glycol**	**25.00**

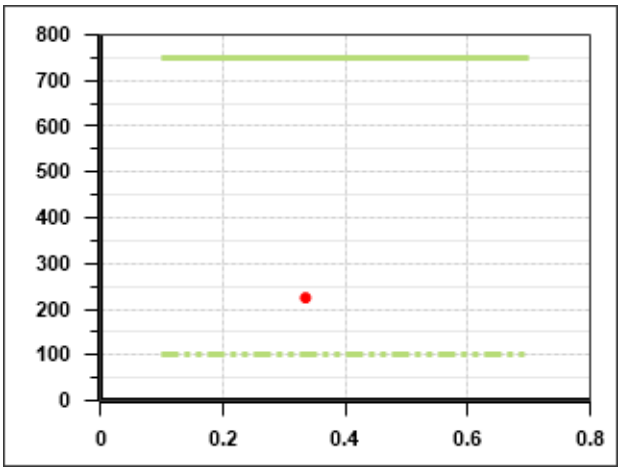
Design Air Flow

Max Primary:	**500**	CFM
Min Primary:	**280**	CFM
Fan Airflow:	**220**	CFM
Primary Heating Airflow:	**280**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**48**	**34**	**27**	**28**	**19**	**20**	
Max Heating	**55**	**47**	**39**	**41**	**32**	**30**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**28**	**19**	**15**	**1**	**0**	**16**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**58**	**44**	**37**	**36**	**32**	**27**	
Max Heating	**55**	**49**	**47**	**47**	**42**	**36**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**31**	**21**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-3-10**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.132**	**0.345**	**30**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.46**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
29.32	MBH	**1250**	**55.00**	°F	**90.54**	°F	**90.54**	°F	**140.00**	°F	**114.90**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.21**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

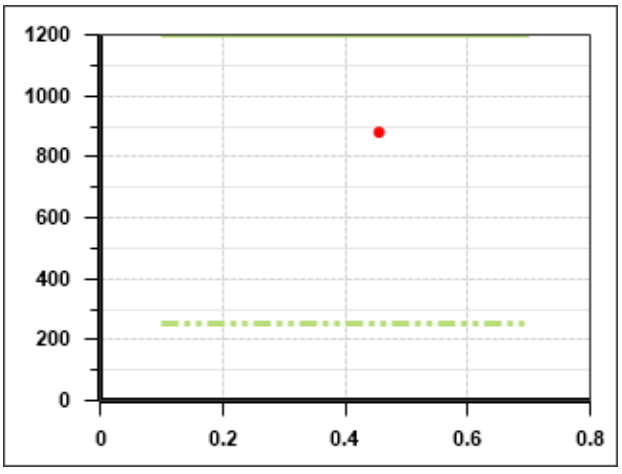
Design Air Flow

Max Primary:	**1250**	CFM
Min Primary:	**380**	CFM
Fan Airflow:	**870**	CFM
Primary Heating Airflow:	**380**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**59**	**46**	**42**	**46**	**35**	**30**	
Max Heating	**66**	**59**	**53**	**54**	**43**	**43**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**48**	**40**	**33**	**28**	**12**	**7**	**30**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**67**	**61**	**51**	**53**	**49**	**44**	
Max Heating	**68**	**62**	**59**	**59**	**56**	**54**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**39**	**32**	**18**	**8**	**4**	**15**	**19**

METALAIRE

Model FVI-C6-514

Project: HOG Pinnacle 11-7-25
Tag: VAV 2-4-01
Altitude: 0 Feet

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C6	14	22x18	3250	325	1.000	0.250	0.095	0.530	35	19



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
1166 CFM	400 CFM	ECM VCU	1	0.68 in. H2O	277/1	6.20	7.75	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
43.03 MBH	1800	55.00 °F	90.00 °F	90.00 °F	140.00 °F	116.11 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.43 in. H2O	1.89 ft. H2O	3.78 GPM	Propylene Glycol	25.00

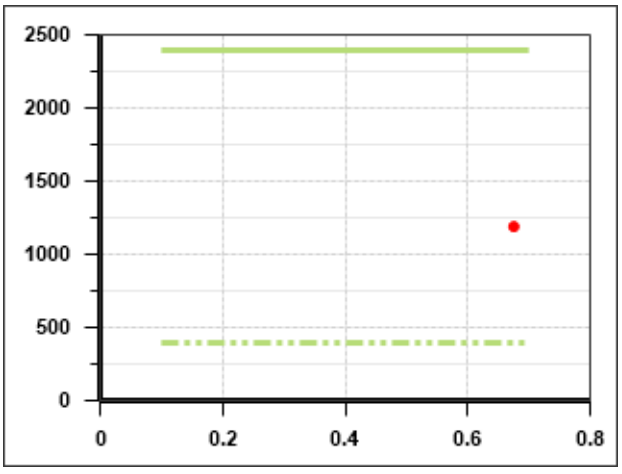
Design Air Flow

Max Primary:	2200 CFM
Min Primary:	634 CFM
Fan Airflow:	1166 CFM
Primary Heating Airflow:	634 CFM

Accessories:

Heating Coil:	HW
Inlet:	Attenuator
Outlet:	No Attenuator

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	57	47	41	44	35	30	
Max Heating	69	63	60	62	49	46	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	51	44	40	36	18	10	35

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	68	59	54	47	43	41	
Max Heating	63	60	59	55	53	51	
Total Attenuation	29	30	41	51	52	39	
Room Sound Level	39	29	13	0	0	2	19

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-02**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.079**	**0.429**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
514	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.54	MBH	**1000**	**55.00**	°F	**91.60**	°F	**91.60**	°F	**140.00**	°F	**115.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

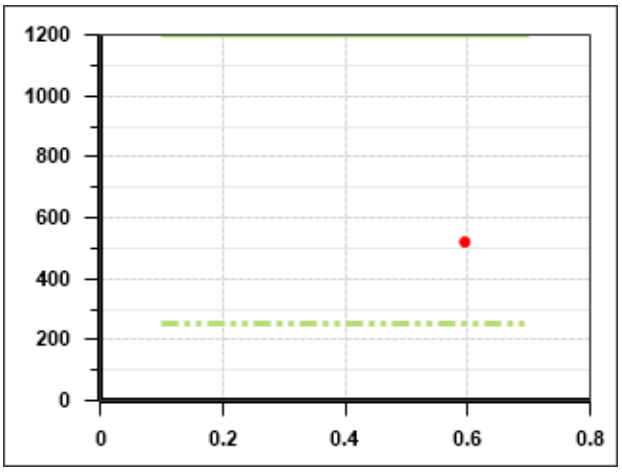
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**486**	CFM
Fan Airflow:	**514**	CFM
Primary Heating Airflow:	**486**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**45**	**47**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-03**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.83	MBH	**1000**	**55.00**	°F	**91.10**	°F	**91.10**	°F	**140.00**	°F	**115.31**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

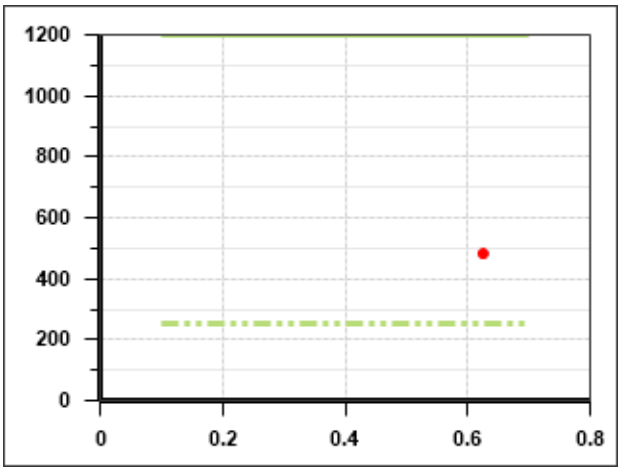
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**524**	CFM
Fan Airflow:	**476**	CFM
Primary Heating Airflow:	**524**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**56**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**38**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**43**	**35**	
Max Heating	**56**	**53**	**47**	**42**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**7**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-04**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.75	MBH	**1000**	**55.00**	°F	**91.23**	°F	**91.23**	°F	**140.00**	°F	**115.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

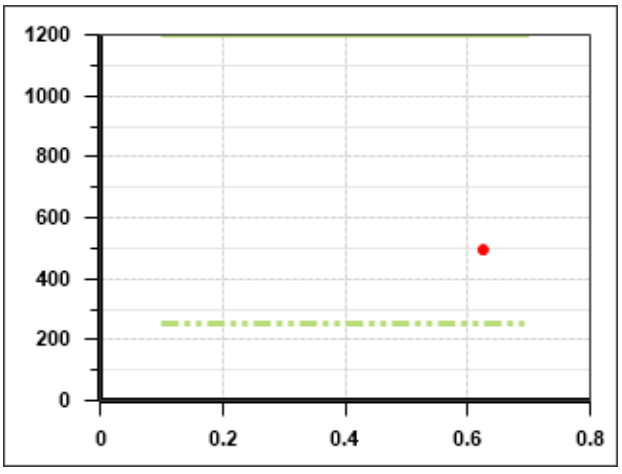
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**514**	CFM
Fan Airflow:	**486**	CFM
Primary Heating Airflow:	**514**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**56**	**53**	**48**	**43**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-06**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.079**	**0.396**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.43	MBH	**1000**	**55.00**	°F	**91.80**	°F	**91.80**	°F	**140.00**	°F	**115.65**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

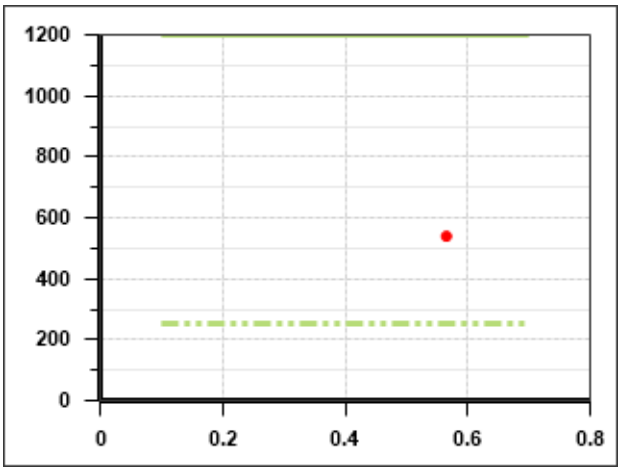
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**471**	CFM
Fan Airflow:	**529**	CFM
Primary Heating Airflow:	**471**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**39**	**43**	**31**	**23**	
Max Heating	**58**	**52**	**46**	**48**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**33**	**26**	**22**	**6**	**1**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**48**	**50**	**44**	**36**	
Max Heating	**58**	**55**	**50**	**46**	**48**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**31**	**26**	**10**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-08**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.112**	**0.385**	**29**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
24.66	MBH	**1000**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**121.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.86**	ft. H2O	**2.80**	GPM	**Propylene Glycol**	**25.00**

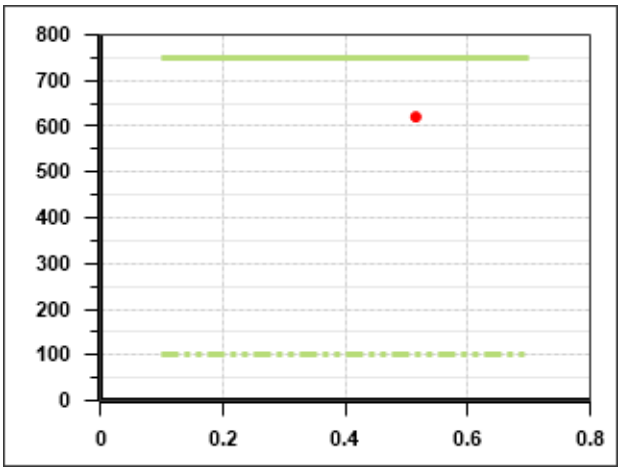
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**386**	CFM
Fan Airflow:	**614**	CFM
Primary Heating Airflow:	**386**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**55**	**45**	**38**	**39**	**28**	**31**	
Max Heating	**65**	**57**	**47**	**48**	**38**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**38**	**27**	**22**	**7**	**0**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**66**	**56**	**50**	**51**	**46**	**41**	
Max Heating	**65**	**60**	**55**	**56**	**50**	**50**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**27**	**10**	**0**	**0**	**2**	**19**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-09**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.028**	**0.301**	**16**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
18.80	MBH	**500**	**55.00**	°F	**97.91**	°F	**97.91**	°F	**140.00**	°F	**123.89**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.66**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

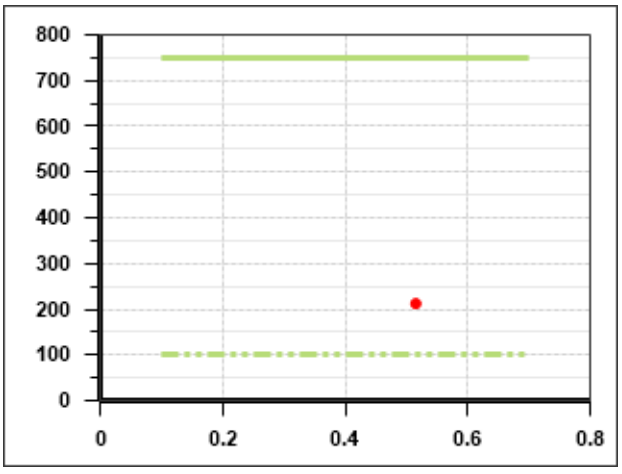
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**294**	CFM
Fan Airflow:	**206**	CFM
Primary Heating Airflow:	**294**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**48**	**33**	**26**	**27**	**18**	**19**	
Max Heating	**55**	**47**	**39**	**41**	**32**	**30**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**37**	**28**	**19**	**15**	**1**	**0**	**16**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**58**	**43**	**36**	**34**	**31**	**26**	
Max Heating	**55**	**49**	**47**	**47**	**42**	**36**	
Total Attenuation	**24**	**28**	**39**	**53**	**59**	**40**	
Room Sound Level	**31**	**21**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-10**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.078**	**0.428**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.58	MBH	**1000**	**55.00**	°F	**91.53**	°F	**91.53**	°F	**140.00**	°F	**115.52**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

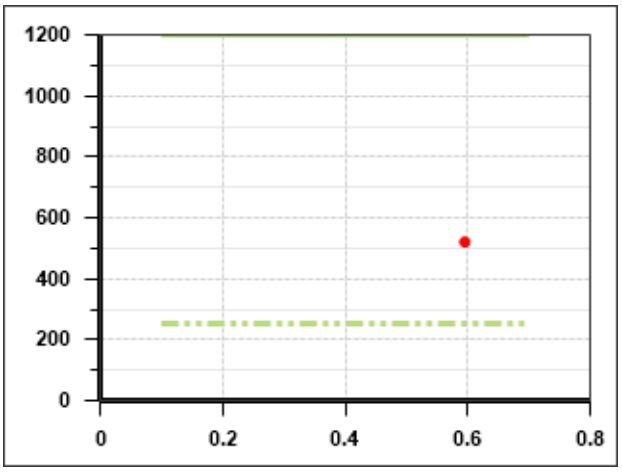
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**491**	CFM
Fan Airflow:	**509**	CFM
Primary Heating Airflow:	**491**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**44**	**47**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-11**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.75	MBH	**1000**	**55.00**	°F	**91.23**	°F	**91.23**	°F	**140.00**	°F	**115.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

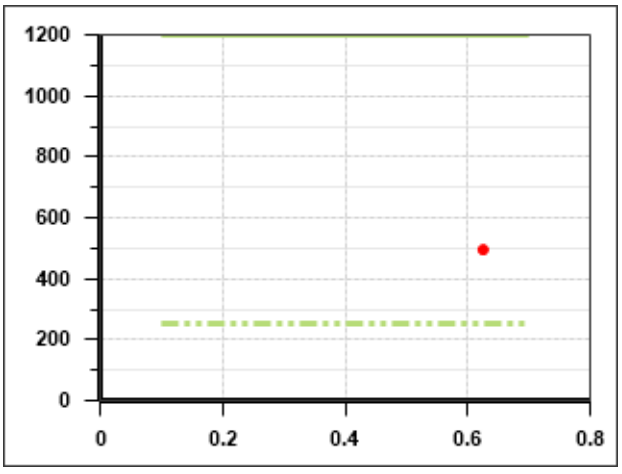
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**514**	CFM
Fan Airflow:	**486**	CFM
Primary Heating Airflow:	**514**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**56**	**53**	**48**	**43**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C6-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-12**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C6**	**12**	**22x18**	**2350**	**235**	**1.000**	**0.250**	**0.103**	**0.506**	**35**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2400 CFM	**400** CFM	**ECM VCU**	**1**	**0.65** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
42.44 MBH	**1800**	**55.00** °F	**89.97** °F	**89.97** °F	**140.00** °F	**115.87** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.40** in. H2O	**1.81** ft. H2O	**3.69** GPM	**Propylene Glycol**	**25.00**

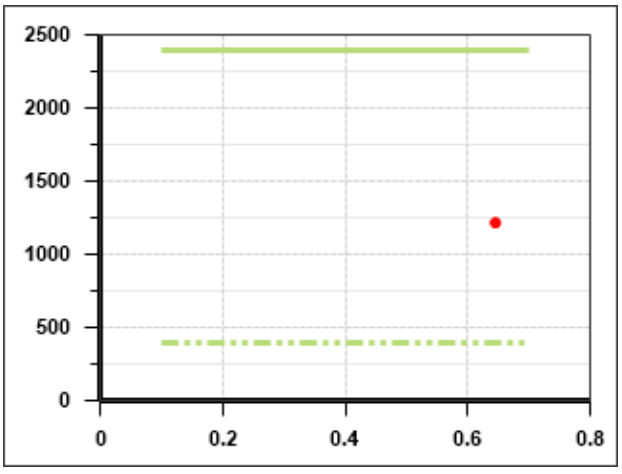
Design Air Flow

Max Primary:	**2100** CFM
Min Primary:	**609** CFM
Fan Airflow:	**1191** CFM
Primary Heating Airflow:	**609** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**47**	**41**	**44**	**35**	**30**	
Max Heating	**70**	**64**	**60**	**62**	**50**	**47**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**52**	**45**	**40**	**36**	**19**	**11**	**35**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**68**	**59**	**54**	**47**	**43**	**42**	
Max Heating	**63**	**60**	**59**	**55**	**53**	**51**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**39**	**29**	**13**	**0**	**0**	**3**	**19**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-14**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.099**	**0.466**	**25**	**15**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.62**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
21.85	MBH	**800**	**55.00**	°F	**91.43**	°F	**91.43**	°F	**140.00**	°F	**121.28**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.37**	in. H2O	**0.66**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

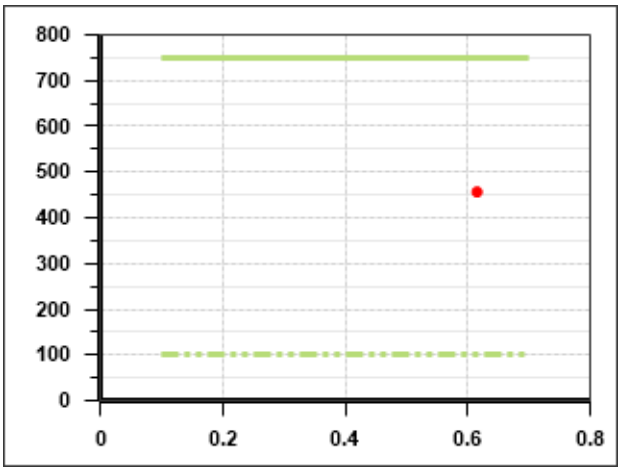
Design Air Flow

Max Primary:	**1200**	CFM
Min Primary:	**350**	CFM
Fan Airflow:	**450**	CFM
Primary Heating Airflow:	**350**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**52**	**41**	**34**	**36**	**25**	**28**	
Max Heating	**62**	**54**	**45**	**46**	**37**	**34**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**44**	**35**	**25**	**20**	**6**	**0**	**25**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**63**	**52**	**46**	**46**	**41**	**36**	
Max Heating	**58**	**53**	**53**	**52**	**47**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**36**	**23**	**6**	**0**	**0**	**0**	**15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-17**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.080**	**0.397**	**21**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.30	MBH	**1000**	**55.00**	°F	**92.02**	°F	**92.02**	°F	**140.00**	°F	**115.76**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

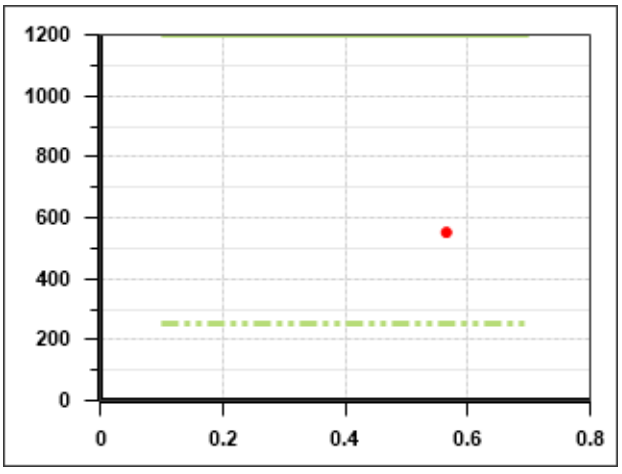
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**454**	CFM
Fan Airflow:	**546**	CFM
Primary Heating Airflow:	**454**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**39**	**43**	**32**	**23**	
Max Heating	**58**	**53**	**47**	**48**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**34**	**27**	**22**	**6**	**1**	**21**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**48**	**50**	**45**	**36**	
Max Heating	**58**	**55**	**51**	**47**	**48**	**41**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**31**	**26**	**11**	**0**	**0**	**2**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-18**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.081**	**0.367**	**22**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.54**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.13	MBH	**1000**	**55.00**	°F	**92.33**	°F	**92.33**	°F	**140.00**	°F	**115.91**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.29**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

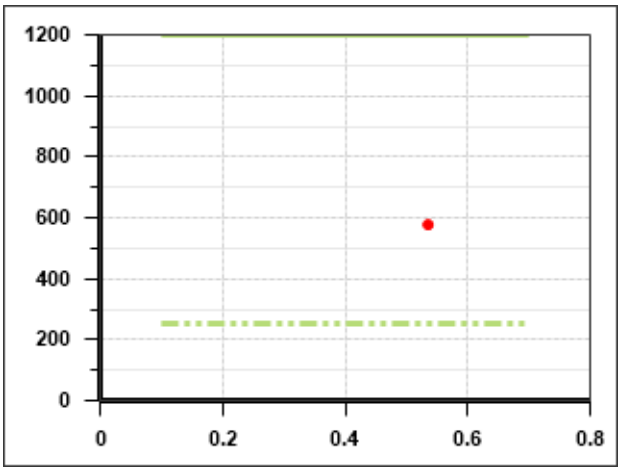
Design Air Flow

Max Primary:	**1500**	CFM
Min Primary:	**430**	CFM
Fan Airflow:	**570**	CFM
Primary Heating Airflow:	**430**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**40**	**44**	**32**	**24**	
Max Heating	**59**	**54**	**47**	**49**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**41**	**35**	**27**	**23**	**6**	**1**	**22**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**49**	**51**	**45**	**37**	
Max Heating	**59**	**56**	**52**	**48**	**48**	**42**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**32**	**27**	**12**	**0**	**0**	**3**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-19**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.079**	**0.396**	**21**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.40	MBH	**1000**	**55.00**	°F	**91.85**	°F	**91.85**	°F	**140.00**	°F	**115.68**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

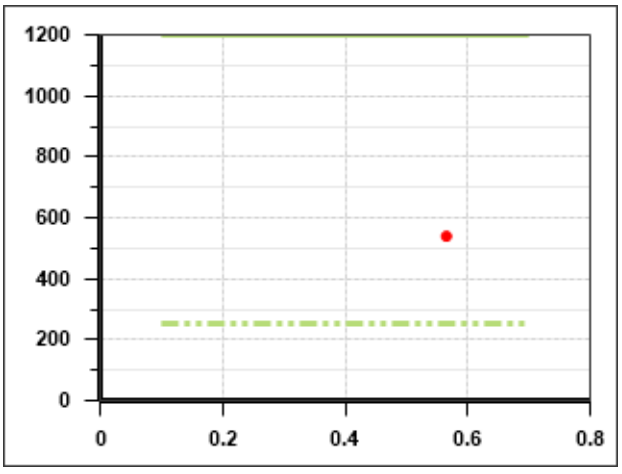
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**467**	CFM
Fan Airflow:	**533**	CFM
Primary Heating Airflow:	**467**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**39**	**43**	**31**	**23**	
Max Heating	**58**	**52**	**47**	**48**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**33**	**27**	**22**	**6**	**1**	**21**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**48**	**50**	**44**	**36**	
Max Heating	**58**	**55**	**50**	**46**	**48**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**31**	**26**	**10**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-20**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.078**	**0.428**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.60	MBH	**1000**	**55.00**	°F	**91.51**	°F	**91.51**	°F	**140.00**	°F	**115.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

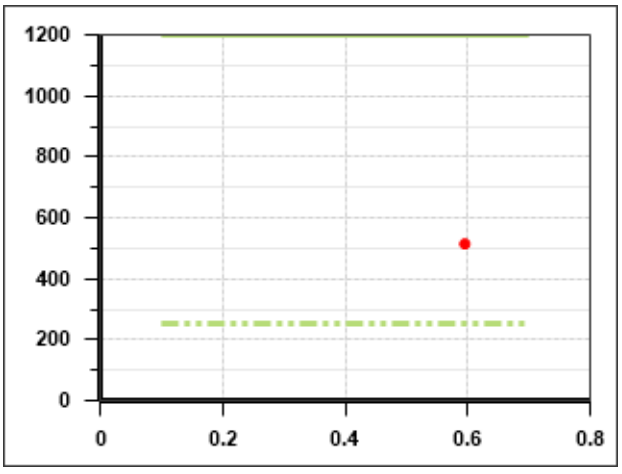
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**493**	CFM
Fan Airflow:	**507**	CFM
Primary Heating Airflow:	**493**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**44**	**47**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-4-22**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.112**	**0.385**	**29**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
24.66	MBH	**1000**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**121.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.86**	ft. H2O	**2.80**	GPM	**Propylene Glycol**	**25.00**

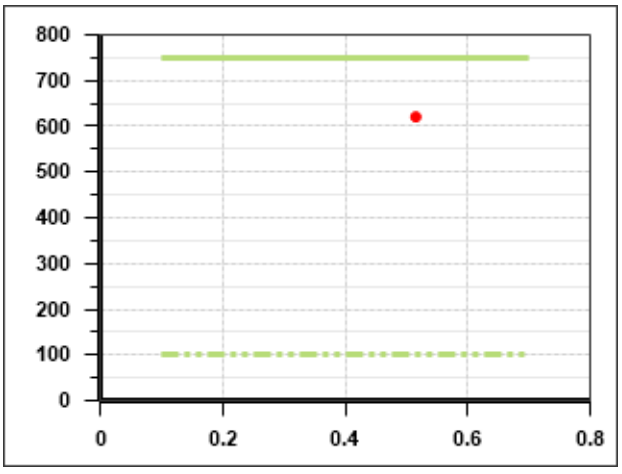
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**386**	CFM
Fan Airflow:	**614**	CFM
Primary Heating Airflow:	**386**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**55**	**45**	**38**	**39**	**28**	**31**	
Max Heating	**65**	**57**	**47**	**48**	**38**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**38**	**27**	**22**	**7**	**0**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**66**	**56**	**50**	**51**	**46**	**41**	
Max Heating	**65**	**60**	**55**	**56**	**50**	**50**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**39**	**27**	**10**	**0**	**0**	**2**	**19**

METALAIRE

Model FVI-C6-514

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-01**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C6**	**14**	**22x18**	**3250**	**325**	**1.000**	**0.250**	**0.096**	**0.531**	**35**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2400 CFM	**400** CFM	**ECM VCU**	**1**	**0.68** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
43.34 MBH	**1820**	**55.00** °F	**89.99** °F	**89.99** °F	**140.00** °F	**116.20** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.43** in. H2O	**1.93** ft. H2O	**3.82** GPM	**Propylene Glycol**	**25.00**

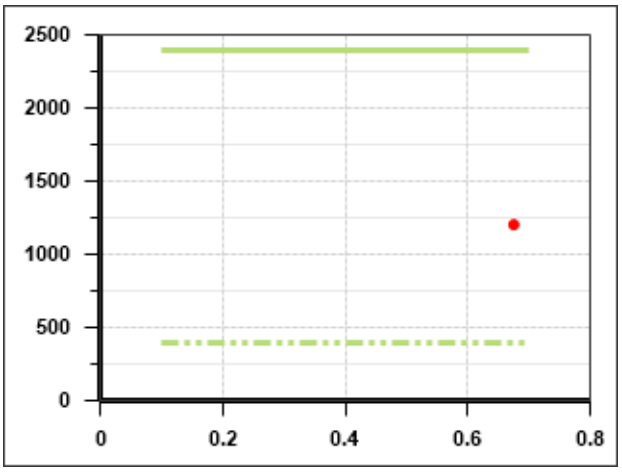
Design Air Flow

Max Primary:	**2200** CFM
Min Primary:	**634** CFM
Fan Airflow:	**1186** CFM
Primary Heating Airflow:	**634** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**47**	**41**	**44**	**35**	**30**	
Max Heating	**69**	**63**	**60**	**62**	**50**	**47**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**51**	**44**	**40**	**36**	**19**	**11**	**35**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**68**	**59**	**54**	**47**	**43**	**41**	
Max Heating	**63**	**60**	**59**	**55**	**53**	**51**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**39**	**29**	**13**	**0**	**0**	**2**	**19**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-02**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.079**	**0.429**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.54	MBH	**1000**	**55.00**	°F	**91.60**	°F	**91.60**	°F	**140.00**	°F	**115.55**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

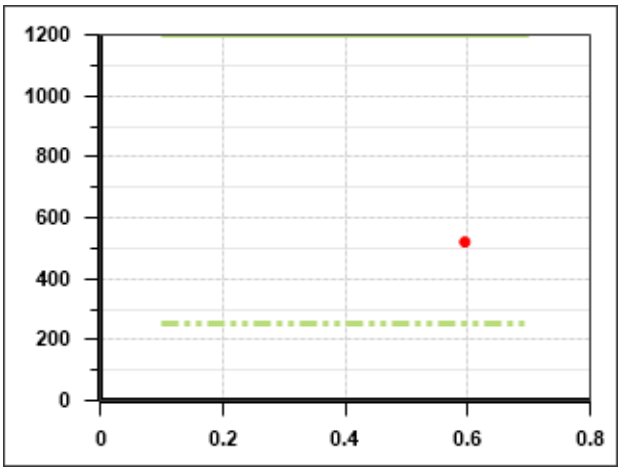
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**486**	CFM
Fan Airflow:	**514**	CFM
Primary Heating Airflow:	**486**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**45**	**47**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-03**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.83	MBH	**1000**	**55.00**	°F	**91.10**	°F	**91.10**	°F	**140.00**	°F	**115.31**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

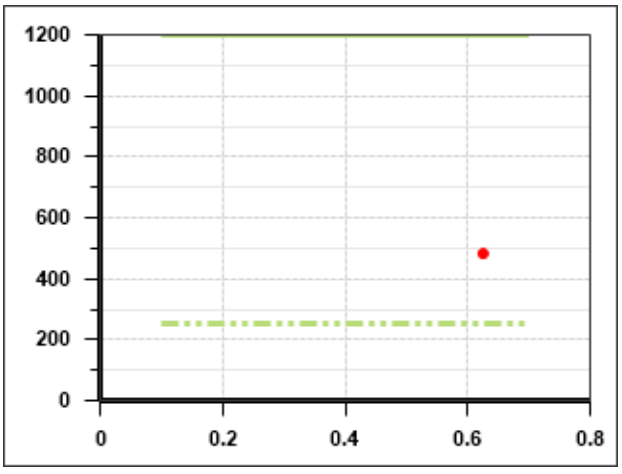
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**524**	CFM
Fan Airflow:	**476**	CFM
Primary Heating Airflow:	**524**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**56**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**38**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**43**	**35**	
Max Heating	**56**	**53**	**47**	**42**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**7**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-04**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.75	MBH	**1000**	**55.00**	°F	**91.23**	°F	**91.23**	°F	**140.00**	°F	**115.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

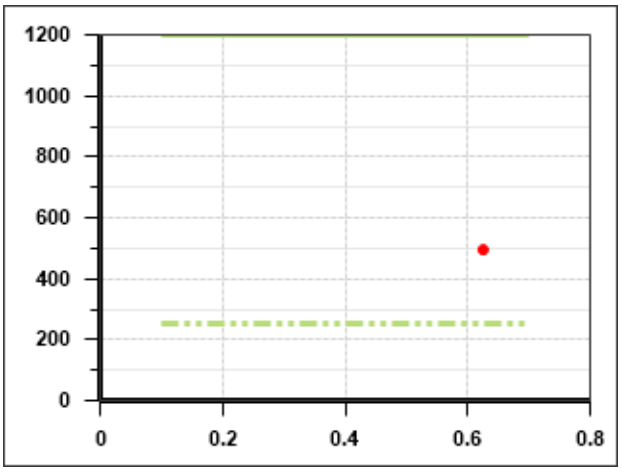
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**514**	CFM
Fan Airflow:	**486**	CFM
Primary Heating Airflow:	**514**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**56**	**53**	**48**	**43**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-05**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.79	MBH	**1000**	**55.00**	°F	**91.17**	°F	**91.17**	°F	**140.00**	°F	**115.34**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

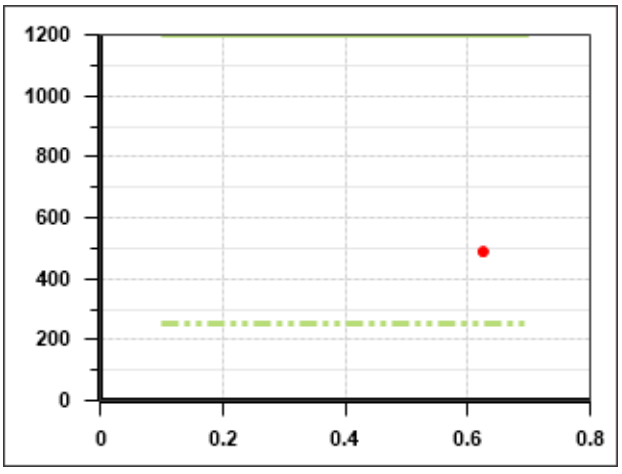
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**519**	CFM
Fan Airflow:	**481**	CFM
Primary Heating Airflow:	**519**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**56**	**53**	**48**	**43**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-06**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.079**	**0.396**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.43	MBH	**1000**	**55.00**	°F	**91.80**	°F	**91.80**	°F	**140.00**	°F	**115.65**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

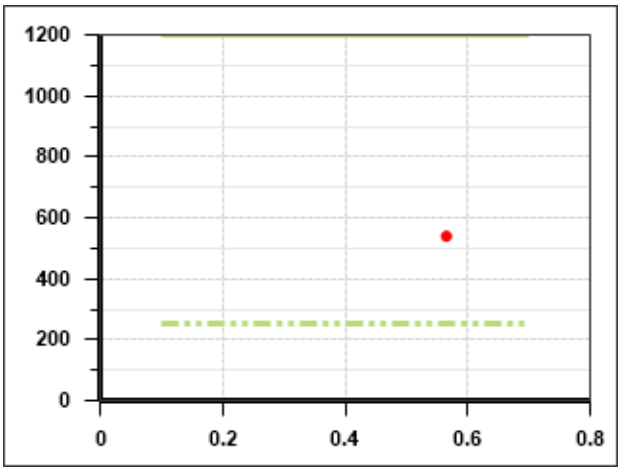
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**471**	CFM
Fan Airflow:	**529**	CFM
Primary Heating Airflow:	**471**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**39**	**43**	**31**	**23**	
Max Heating	**58**	**52**	**46**	**48**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**33**	**26**	**22**	**6**	**1**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**48**	**50**	**44**	**36**	
Max Heating	**58**	**55**	**50**	**46**	**48**	**40**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**31**	**26**	**10**	**0**	**0**	**1**	**< 15**

METALAIRE

Model FVI-C2-510

Project: HOG Pinnacle 11-7-25
Tag: VAV 2-5-07
Altitude: 0 Feet

		Size		CFM			Static Pressure				Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	FVI	C2	10	16x15	1640	165	1.000	0.250	0.049	0.239	16	0



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
750 CFM	100 CFM	ECM VCU	1/3	0.44 in. H2O	277/1	2.40	3.00	15.00

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
27.62 MBH	800	55.00 °F	90.14 °F	90.14 °F	140.00 °F	123.43 °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	12	0.19 in. H2O	1.34 ft. H2O	3.50 GPM	Propylene Glycol	25.00

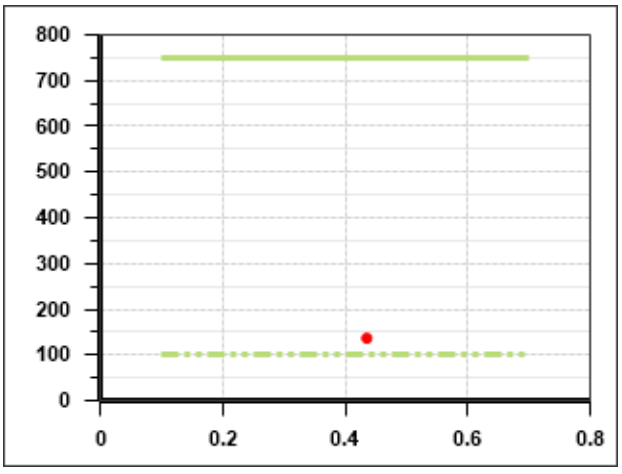
Design Air Flow

Max Primary:	800 CFM
Min Primary:	668 CFM
Fan Airflow:	132 CFM
Primary Heating Airflow:	668 CFM

Accessories:

Heating Coil:	HW
Inlet:	Attenuator
Outlet:	No Attenuator

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	48	33	26	27	18	19	
Max Heating	55	47	39	41	32	30	
Total Attenuation	18	19	20	26	31	36	
Room Sound Level	37	28	19	15	1	0	16

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	58	43	36	34	31	26	
Max Heating	55	49	47	47	42	36	
Total Attenuation	24	28	39	53	59	40	
Room Sound Level	31	21	8	0	0	0	< 15

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-08**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.110**	**0.383**	**29**	**18**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
25.15	MBH	**1000**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**121.73**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.92**	ft. H2O	**2.89**	GPM	**Propylene Glycol**	**25.00**

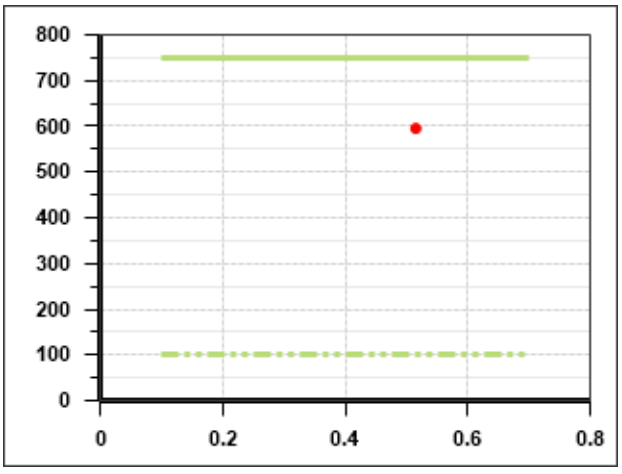
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**410**	CFM
Fan Airflow:	**590**	CFM
Primary Heating Airflow:	**410**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**44**	**37**	**38**	**28**	**31**	
Max Heating	**65**	**57**	**47**	**48**	**38**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**38**	**27**	**22**	**7**	**0**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**55**	**50**	**50**	**45**	**41**	
Max Heating	**64**	**59**	**55**	**56**	**50**	**48**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**26**	**10**	**0**	**0**	**2**	**18**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-09**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.119**	**0.392**	**31**	**21**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
22.67	MBH	**1000**	**55.00**	°F	**90.02**	°F	**90.02**	°F	**140.00**	°F	**120.58**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.66**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

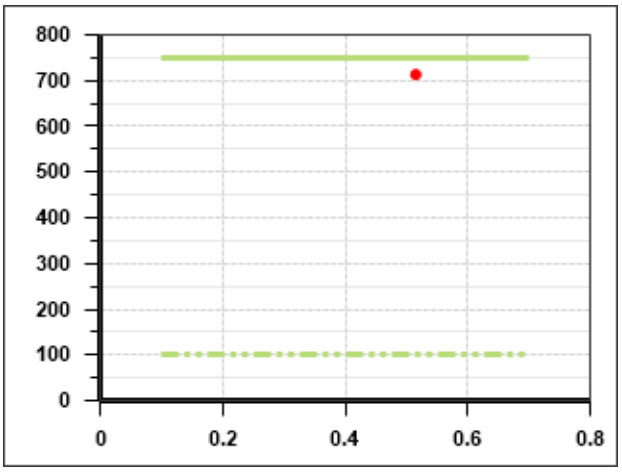
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**294**	CFM
Fan Airflow:	**706**	CFM
Primary Heating Airflow:	**294**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**56**	**46**	**39**	**40**	**29**	**31**	
Max Heating	**67**	**59**	**49**	**49**	**40**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**49**	**40**	**29**	**23**	**9**	**1**	**31**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**66**	**56**	**51**	**52**	**46**	**41**	
Max Heating	**66**	**64**	**57**	**58**	**52**	**54**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**37**	**34**	**16**	**7**	**0**	**15**	**21**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-10**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.078**	**0.428**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.58	MBH	**1000**	**55.00**	°F	**91.53**	°F	**91.53**	°F	**140.00**	°F	**115.52**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

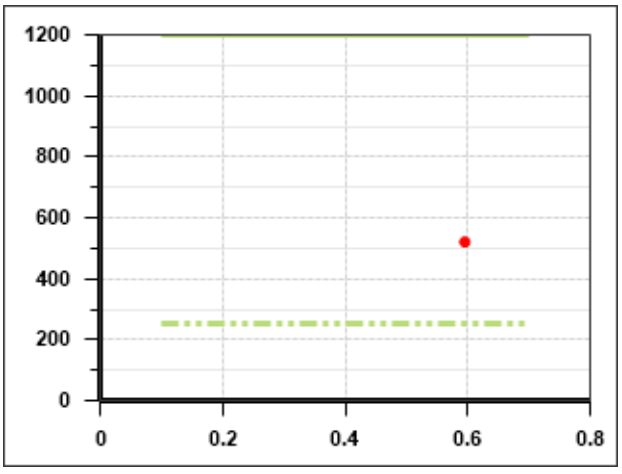
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**491**	CFM
Fan Airflow:	**509**	CFM
Primary Heating Airflow:	**491**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**44**	**47**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-11**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.077**	**0.461**	**19**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.63**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.75	MBH	**1000**	**55.00**	°F	**91.23**	°F	**91.23**	°F	**140.00**	°F	**115.38**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.38**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

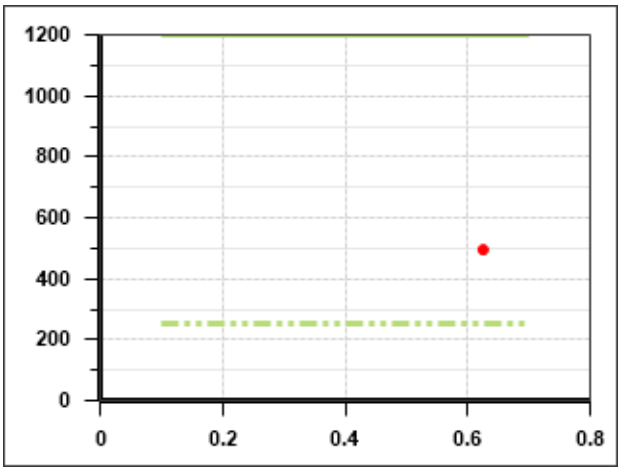
Design Air Flow

Max Primary:	**1800**	CFM
Min Primary:	**514**	CFM
Fan Airflow:	**486**	CFM
Primary Heating Airflow:	**514**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**51**	**45**	**47**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**32**	**25**	**21**	**5**	**0**	**19**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**56**	**53**	**48**	**43**	**47**	**38**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**29**	**24**	**8**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C6-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-12**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C6**	**12**	**22x18**	**2350**	**235**	**1.000**	**0.250**	**0.103**	**0.506**	**35**	**19**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
2400 CFM	**400** CFM	**ECM VCU**	**1**	**0.65** in. H2O	**277/1**	**6.20**	**7.75**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
42.44 MBH	**1800**	**55.00** °F	**89.97** °F	**89.97** °F	**140.00** °F	**115.87** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.40** in. H2O	**1.81** ft. H2O	**3.69** GPM	**Propylene Glycol**	**25.00**

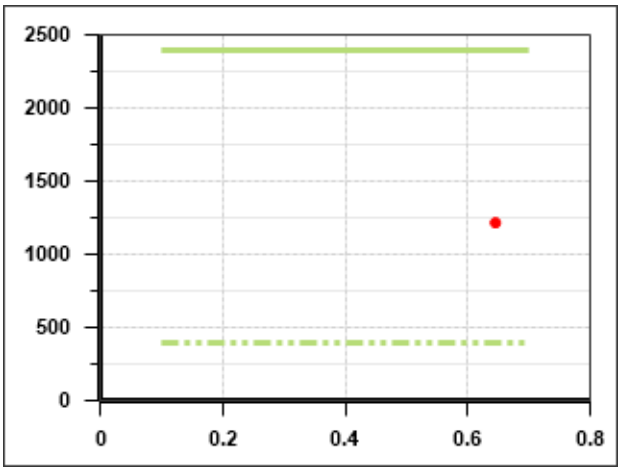
Design Air Flow

Max Primary:	**2100** CFM
Min Primary:	**609** CFM
Fan Airflow:	**1191** CFM
Primary Heating Airflow:	**609** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**57**	**47**	**41**	**44**	**35**	**30**	
Max Heating	**70**	**64**	**60**	**62**	**50**	**47**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**52**	**45**	**40**	**36**	**19**	**11**	**35**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**68**	**59**	**54**	**47**	**43**	**42**	
Max Heating	**63**	**60**	**59**	**55**	**53**	**51**	
Total Attenuation	**29**	**30**	**41**	**51**	**52**	**39**	
Room Sound Level	**39**	**29**	**13**	**0**	**0**	**3**	**19**

METALAIRE

Model FVI-C3-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-14**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**10**	**20x17.5**	**1640**	**165**	**1.000**	**0.250**	**0.115**	**0.314**	**25**	**16**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.45**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
27.53	MBH	**1000**	**55.00**	°F	**93.38**	°F	**93.38**	°F	**140.00**	°F	**116.42**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.20**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

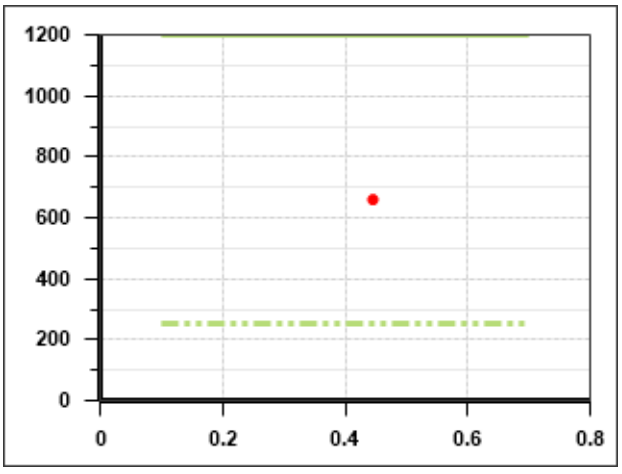
Design Air Flow

Max Primary:	**1200**	CFM
Min Primary:	**350**	CFM
Fan Airflow:	**650**	CFM
Primary Heating Airflow:	**350**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**56**	**43**	**40**	**44**	**33**	**26**	
Max Heating	**61**	**56**	**49**	**50**	**39**	**39**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**43**	**37**	**29**	**24**	**8**	**3**	**25**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**64**	**58**	**49**	**51**	**46**	**39**	
Max Heating	**62**	**59**	**56**	**53**	**50**	**45**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**35**	**30**	**16**	**2**	**0**	**6**	**16**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-17**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.080**	**0.397**	**21**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.30	MBH	**1000**	**55.00**	°F	**92.02**	°F	**92.02**	°F	**140.00**	°F	**115.76**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

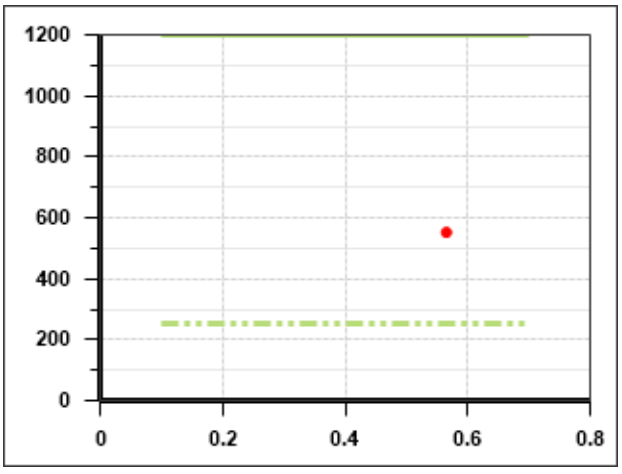
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**454**	CFM
Fan Airflow:	**546**	CFM
Primary Heating Airflow:	**454**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**39**	**43**	**32**	**23**	
Max Heating	**58**	**53**	**47**	**48**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**40**	**34**	**27**	**22**	**6**	**1**	**21**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**48**	**50**	**45**	**36**	
Max Heating	**58**	**55**	**51**	**47**	**48**	**41**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**31**	**26**	**11**	**0**	**0**	**2**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-18**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.081**	**0.367**	**22**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.54**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.13	MBH	**1000**	**55.00**	°F	**92.33**	°F	**92.33**	°F	**140.00**	°F	**115.91**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.29**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

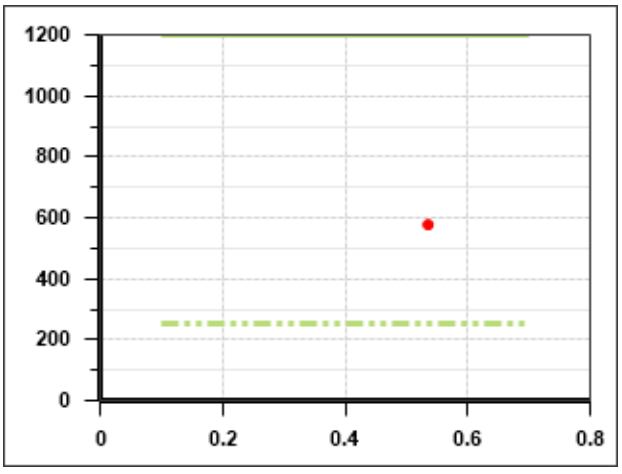
Design Air Flow

Max Primary:	**1500**	CFM
Min Primary:	**430**	CFM
Fan Airflow:	**570**	CFM
Primary Heating Airflow:	**430**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**40**	**44**	**32**	**24**	
Max Heating	**59**	**54**	**47**	**49**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**41**	**35**	**27**	**23**	**6**	**1**	**22**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**49**	**51**	**45**	**37**	
Max Heating	**59**	**56**	**52**	**48**	**48**	**42**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**32**	**27**	**12**	**0**	**0**	**3**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-19**
Altitude:	**0 Feet**

			Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.081**	**0.398**	**22**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.57**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.13	MBH	**1000**	**55.00**	°F	**92.33**	°F	**92.33**	°F	**140.00**	°F	**115.91**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.32**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

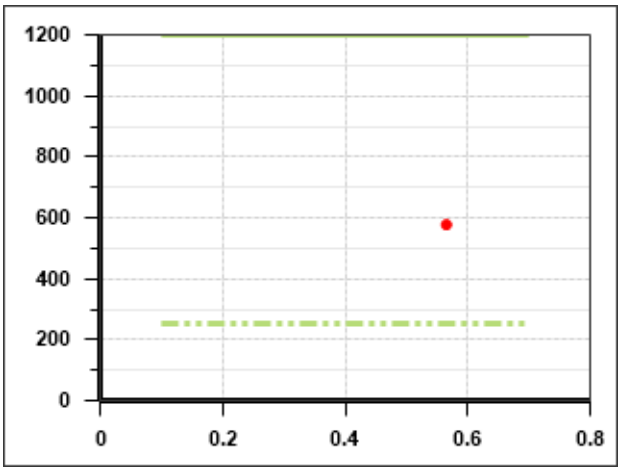
Design Air Flow

Max Primary:	**1600**	CFM
Min Primary:	**430**	CFM
Fan Airflow:	**570**	CFM
Primary Heating Airflow:	**430**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**41**	**40**	**44**	**32**	**24**	
Max Heating	**59**	**54**	**47**	**49**	**37**	**37**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**41**	**35**	**27**	**23**	**6**	**1**	**22**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**62**	**56**	**49**	**51**	**45**	**37**	
Max Heating	**59**	**56**	**52**	**48**	**48**	**42**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**32**	**27**	**12**	**0**	**0**	**3**	**< 15**

METALAIRE

Model FVI-C3-512

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-20**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C3**	**12**	**20x17.5**	**2350**	**235**	**1.000**	**0.250**	**0.078**	**0.428**	**20**	**0**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
1200	CFM	**250**	CFM	**ECM VCU**	**1/2**	**0.60**	in. H2O	**277/1**	**3.40**	**4.25**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
28.60	MBH	**1000**	**55.00**	°F	**91.51**	°F	**91.51**	°F	**140.00**	°F	**115.51**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.35**	in. H2O	**0.77**	ft. H2O	**2.45**	GPM	**Propylene Glycol**	**25.00**

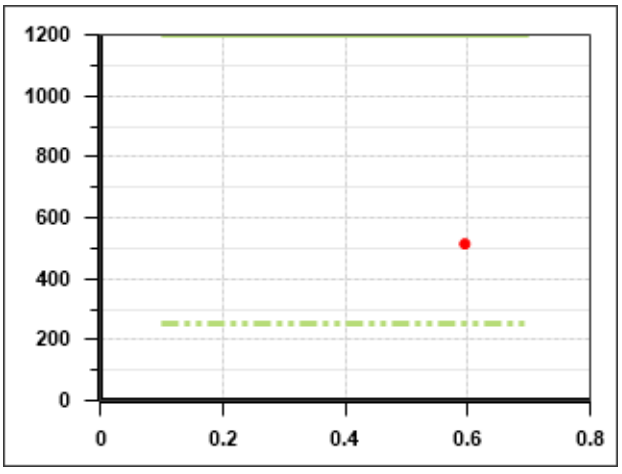
Design Air Flow

Max Primary:	**1700**	CFM
Min Primary:	**493**	CFM
Fan Airflow:	**507**	CFM
Primary Heating Airflow:	**493**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**53**	**40**	**39**	**43**	**31**	**22**	
Max Heating	**57**	**52**	**46**	**48**	**36**	**36**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**39**	**33**	**26**	**22**	**5**	**0**	**20**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**61**	**55**	**48**	**50**	**44**	**35**	
Max Heating	**57**	**54**	**49**	**44**	**47**	**39**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**30**	**25**	**9**	**0**	**0**	**0**	**< 15**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-21**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.110**	**0.383**	**29**	**18**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:		Min Fan Airflow:		Motor Type:	Fan HP:	External Static Pressure:		Fan Voltage:	FLA:	MCA:	MOCP:
750	CFM	**100**	CFM	**ECM VCU**	**1/3**	**0.52**	in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:		Heating Airflow:	Entering Air Temp:		Leaving Air Temp:		Discharge Air Temp:		Entering Fluid Temp:		Leaving Fluid Temp:	
25.15	MBH	**1000**	**55.00**	°F	**89.99**	°F	**89.99**	°F	**140.00**	°F	**121.73**	°F

Coil Rows:	FPI	Air Pressure Drop:		Fluid Pressure Drop:		Fluid Flow:		Fluid Type:	% Glycol
2	**12**	**0.27**	in. H2O	**0.92**	ft. H2O	**2.89**	GPM	**Propylene Glycol**	**25.00**

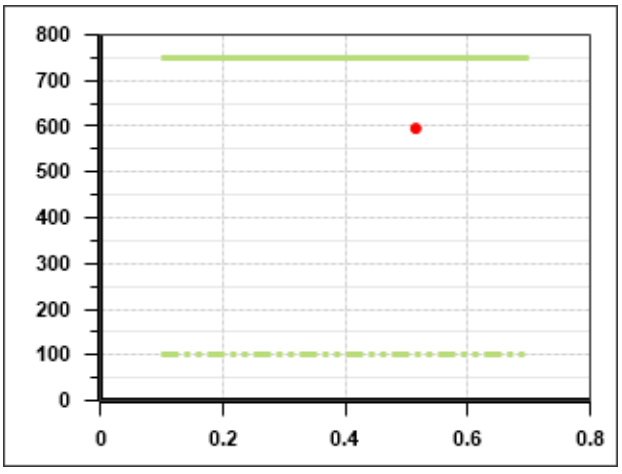
Design Air Flow

Max Primary:	**1000**	CFM
Min Primary:	**410**	CFM
Fan Airflow:	**590**	CFM
Primary Heating Airflow:	**410**	CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve



Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**44**	**37**	**38**	**28**	**31**	
Max Heating	**65**	**57**	**47**	**48**	**38**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**38**	**27**	**22**	**7**	**0**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**55**	**50**	**50**	**45**	**41**	
Max Heating	**64**	**59**	**55**	**56**	**50**	**48**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**26**	**10**	**0**	**0**	**2**	**18**

METALAIRE

Model FVI-C2-510

Project:	**HOG Pinnacle 11-7-25**
Tag:	**VAV 2-5-22**
Altitude:	**0 Feet**

		Size		CFM			Static Pressure			Max NC Levels	
Qty	Model	Case	Unit	Outlet	Max	Min	Inlet	Downstream	Min Drop	Unit Drop	Rad	Dis
1	**FVI**	**C2**	**10**	**16x15**	**1640**	**165**	**1.000**	**0.250**	**0.110**	**0.383**	**29**	**18**



Parallel Fan Powered Air Terminal Unit

Fan Data:

Max Fan Airflow:	Min Fan Airflow:	Motor Type:	Fan HP:	External Static Pressure:	Fan Voltage:	FLA:	MCA:	MOCP:
750 CFM	**100** CFM	**ECM VCU**	**1/3**	**0.52** in. H2O	**277/1**	**2.40**	**3.00**	**15.00**

Hot Water:

Heat Capacity:	Heating Airflow:	Entering Air Temp:	Leaving Air Temp:	Discharge Air Temp:	Entering Fluid Temp:	Leaving Fluid Temp:
25.15 MBH	**1000**	**55.00** °F	**89.99** °F	**89.99** °F	**140.00** °F	**121.73** °F

Coil Rows:	FPI	Air Pressure Drop:	Fluid Pressure Drop:	Fluid Flow:	Fluid Type:	% Glycol
2	**12**	**0.27** in. H2O	**0.92** ft. H2O	**2.89** GPM	**Propylene Glycol**	**25.00**

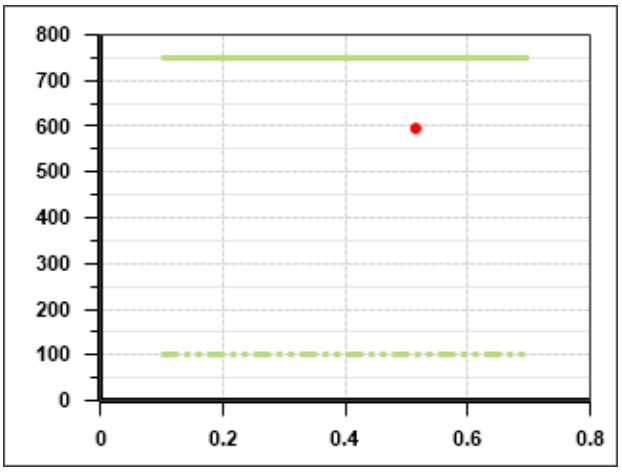
Design Air Flow

Max Primary:	**1000** CFM
Min Primary:	**410** CFM
Fan Airflow:	**590** CFM
Primary Heating Airflow:	**410** CFM

Accessories:

Heating Coil:	**HW**
Inlet:	**Attenuator**
Outlet:	**No Attenuator**

Fan Curve

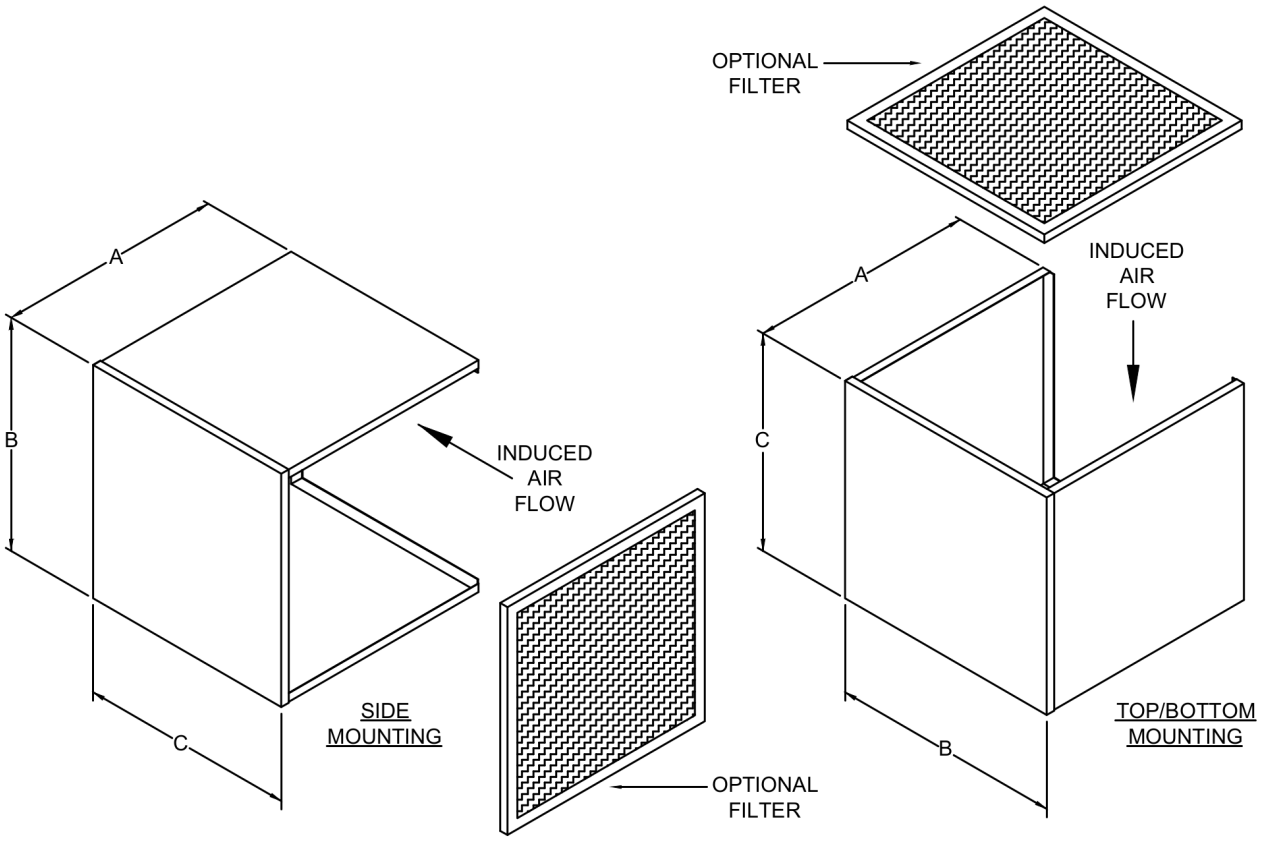


Radiated Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**54**	**44**	**37**	**38**	**28**	**31**	
Max Heating	**65**	**57**	**47**	**48**	**38**	**35**	
Total Attenuation	**18**	**19**	**20**	**26**	**31**	**36**	
Room Sound Level	**47**	**38**	**27**	**22**	**7**	**0**	**29**

Discharge Sound Power Level (db)

Band	2	3	4	5	6	7	NC
Max Cooling	**65**	**55**	**50**	**50**	**45**	**41**	
Max Heating	**64**	**59**	**55**	**56**	**50**	**48**	
Total Attenuation	**27**	**29**	**40**	**51**	**53**	**39**	
Room Sound Level	**38**	**26**	**10**	**0**	**0**	**2**	**18**

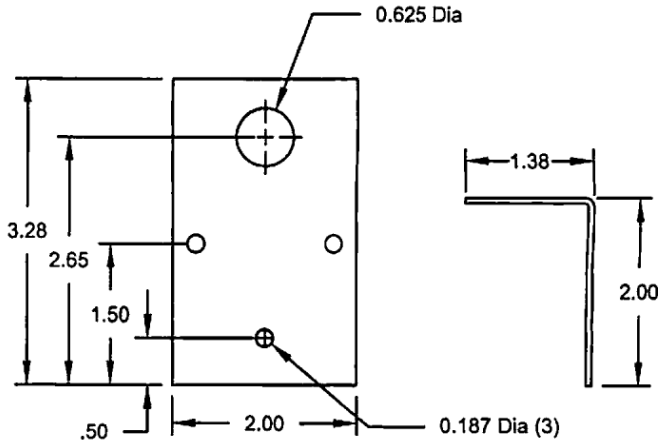


Unit Family	Case Size	Induction Location	Filter Size Width	Filter Size Height	A	B	C
FVI	1 & 2	Top/Bottom or Side	16	16	16.00	16.00	15.00
FCI	2	Top/Bottom or Side	16	16	16.00	16.00	15.00
FCI/FVI	3 & 4	Side	20	16	20.00	16.00	19.00
FCI/FVI	3 & 4	Top/Bottom	16	20	16.00	20.00	15.00
FCI/FVI	5	Top/Bottom or Side	20	20	20.00	20.00	19.00
FCI/FVI	6 & 7	Top/Bottom	20	24	20.00	24.00	17.00
FCI/FVI	6	Side	24	20	24.00	20.00	21.00
FCI/FVI	7	Side	24	20	24.00	20.00	23.00
FCL/FVL	2	Side	12	10	12.00	10.00	11.00
FCL/FVL	4	Side	18	10	18.00	10.00	18.00
FVL	6	Side	18	12	18.00	10.00	18.00

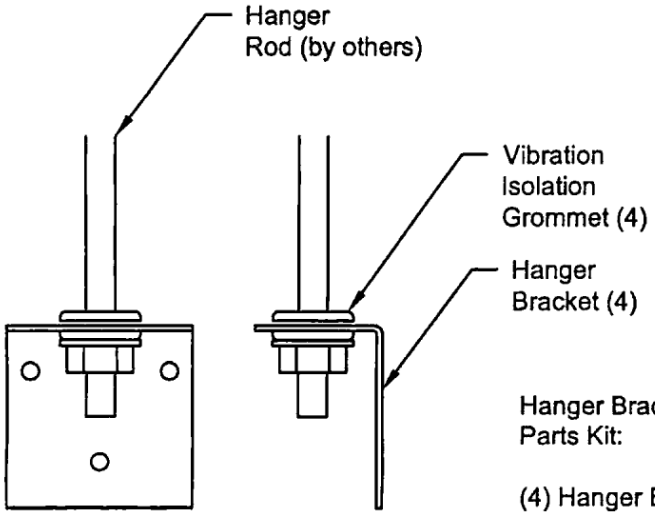
Ducted filter rack with access door will be provided

Hanger Bracket
Mounting Instructions:

Locate Hanger Brackets near corners of unit toalign with Hanger Rods (by others). Attach Hanger Brackets with sheet metal screws provided. Torque of driver must be controlled to prevent strip out.
secure unit to Hanger Rods with nuts and washers (by others).



Hanger Bracket
16 ga. Galv. Steel



Hanger Bracket
Parts Kit:

(4) Hanger Brackets
(12) Sheet Metal Screws
(4) Isolation Grommets