National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU 1

Area: ACADEMIC WEST

Unit Data	
Manufacturer	INNOVENT
Model Number	CAHU-50000-AC-460
Configuration	VERTICAL
No. Pre Filters / Size	28 / 20X16X2
No. Pre Filters / Size	14 / 25X16X2
No. Final Filters / Size	28 / 20X16X4
No. Final Filters / Size	14 / 25X16X4

Motor Data (X4)	
Motor MFG / Frame	BALDOR
Horsepower / RPM	20.0 / 1800
Rated Volts / Phase	460 / 3
Rated Amperage / SF	23 / 1.15

Test Data		
	Design	**Actual**
Supply CFM	50000	48824
Min OA CFM	10000	10262
Return CFM	40000	38762
Operating HZ		70 hz
RL Voltage	460	464 VFD
RL Amperage	23	20.1
Motor B.H.P.	69.36	62.4

Performance Data		
	Design	**Actual**
Mixed Air S.P.		-1.65
Suction S.P.		-5.23
Discharge S.P.		2.02
Total SP	6.3	7.25
Total ESP	3.5	3.67

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU-1 VAV's

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Ak (max)
RTU1-1-01	164	VAV	10	700	705	450	452	1678
RTU1-1-02	163	VAV	10	600	615	375	388	1498
RTU1-1-03	OPEN	VAV	10	500	503	325	318	1533
RTU1-1-04	160	VAV	6	230	246	150	155	504
RTU1-1-05	161	VAV	10	725	714	600	608	1468
RTU1-1-06	159	VAV	8	400	416	150	159	958
RTU1-1-07	154	VAV	10	800	841	325	316	1481
RTU1-1-08	101	VAV	10	750	758	450	456	1518
RTU1-1-09	103	VAV	16	1700	1647	850	839	4008
RTU1-1-11	150	VAV	16	2110	1834	1400	1426	4062
RTU1-1-10	152	VAV	8	250	248	200	202	962
RTU1-2-01	220	VAV	16	2600	2635	1250	1265	4198
RTU1-2-02	212	VAV	12	1125	1128	700	729	2109
RTU1-2-03	OPEN	VAV	16	2860	2903	1200	1288	4144
RTU1-2-04	OPEN	VAV	16	2600	2619	1200	1219	4158
RTU1-2-05	OPEN [3]	VAV	16	1500	1436	600	611	4024
RTU1-2-06	200	VAV	16	2200	2191	1400	1422	4096
RTU1-2-07	200	VAV	10	750	728	450	448	1509
RTU1-2-08	OPEN	VAV	16	2600	2623	1200	1209	4179
RTU1-2-09	OPEN	VAV	16	2275	2227	800	816	3987
RTU1-2-10	202	VAV	12	950	955	950	940	2075
RTU1-2-11	OPEN	VAV	16	2080	2084	1200	1187	4338
				30305	**30056**	**16225**	**16453**	

NOTES:

VAV-1-2-05 DESIGN MAX IS 1500 CFM, DIFFUSER TOTAL IS 3120 CFM. Dampers are above hard ceiling and in accessible.

VAV-1-1-11 Diffusers 1 and 2 not installed. Room total maintained through remaining air devices.

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Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU-1 VAV's

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Ak (max)
RTU1-3-01	366	SINGLE	10	650	635	350	352	1465.00
RTU1-3-02	364	SINGLE	6	125	124	100	98	462.30
RTU1-3-03	362	SINGLE	6	150	144	100	104	492
RTU1-3-04	361	SINGLE	16	2000	1992	1100	1111	3626
RTU1-3-05	356	VAV	12	800	823	580	589	2099
RTU1-3-06	357	VAV	12	1000	995	600	593	2185.00
RTU1-3-08	352	VAV	10	800	799	580	562	1473.8
RTU1-4-01	461	VAV	10	800	809	450	452	1338.6
RTU1-4-02	405	VAV	16	2180	2163	1200	1192	3744.4
RTU1-4-03	456	VAV	10	675	654	400	407	1332.9
RTU1-4-04	454	VAV	6	150	154	100	105	459.1
RTU1-4-05	452	VAV	6	100	99	100	102	494.3
RTU1-5-01	560	VAV	14	1485	1505	825	816	2966
RTU1-5-02	OPEN [1]	VAV	16	3200	3094	1800	1844	4201
RTU1-5-03	OPEN [1]	VAV	16	2800	2792	1600	1617	3496
RTU1-5-04	OPEN [1]	VAV	16	2400	2377	800	809	3649
				19315	**19159**	**10685**	**10753**	

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Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
1-1-01-1	164	LD2	6'-0"	250	174	248	0.99
1-1-01-2	164	LD2	4'-0"	150	184	152	1.01
1-1-01-3	164	LD2	4'-0"	150	128	145	0.97
1-1-01-4	164	LD2	4'-0"	150	192	160	1.07
RTU1-1-01				**700**		**705**	**1.01**
1-1-02-1	163	LD2	6'-0"	300	365	302	1.01
1-1-02-2	163	LD2	6'-0"	300	329	313	1.04
RTU1-1-02				**600**		**615**	**1.03**
1-1-03-1	OPEN	LD1	4'-0"	125	133	119	0.95
1-1-03-2	OPEN	LD1	4'-0"	125	137	126	1.01
1-1-03-3	OPEN	LD1	4'-0"	125	148	122	0.98
1-1-03-4	OPEN	CD	6"	125	145	136	1.09
RTU1-1-03				**500**		**503**	**1.01**
1-1-04-1	160	LD1	4'-0"	115	92	118	1.03
1-1-04-2	160	LD1	4'-0"	115	140	128	1.11
RTU1-1-04				**230**		**246**	**1.07**
1-1-05-1	161	D1	10	250	175	229	0.92
1-1-05-2	161	D1	10	250	223	238	0.95
1-1-05-3	161	LD2	6'-0"	225	278	247	1.10
RTU1-1-05				**725**		**714**	**0.98**
1-1-06-1	159	D1	6	100	162	108	1.08
1-1-06-2	157	D1	6	100	155	103	1.03
1-1-06-3 [1]	155			200	188	205	1.03
RTU1-1-06				**400**		**416**	**1.04**
1-1-07-1	154	LD1	4'-0"	200	268	208	1.04
1-1-07-2	154	D1	8	200	292	217	1.09
1-1-07-3	154	LD1	4'-0"	200	247	211	1.06
1-1-07-4	154	LD1	4'-0"	200	55	205	1.03
RTU1-1-07				**800**		**841**	**1.05**
1-1-08-1	101	LD4	4'-0"	250	216	244	0.98
1-1-08-2	101	LD4	4'-0"	250	222	252	1.01
1-1-08-3	101	LD4	4'-0"	250	230	262	1.05
RTU1-1-08				**750**		**758**	**1.01**

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Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
1-1-09-1	102	LD1	6'-0"	350	279	252	0.72
1-1-09-2	103	LD1	6'-0"	300	315	317	1.06
1-1-09-3	103	LD1	6'-0"	300	316	307	1.02
1-1-09-4	105	LD4	4'-0"	250	260	261	1.04
1-1-09-5	105	LD4	4'-0"	250	286	244	0.98
1-1-09-6	105	LD4	4'-0"	250	251	266	1.06
RTU1-1-09				**1700**	**1707**	**1647**	**0.97**
1-1-10-1	150	D1	8	175	0	0	0.00
1-1-10-2	150	D1	8	175	0	0	0.00
1-1-10-3	150	LD4	10	250	248	255	1.02
1-1-10-4	150	LD4	10	250	48	262	1.05
1-1-10-5	150	D1	8	175	258	184	1.05
1-1-10-6	150	LD2	4'-0"	130	216	135	1.04
1-1-10-7	150	LD2	4'-0"	130	206	140	1.08
1-1-10-8	150	LD2	4'-0"	130	44	132	1.02
1-1-10-9	150	LD2	4'-0"	130	265	127	0.98
1-1-10-10	150	D1	8	175	248	186	1.06
1-1-10-11	150	LD2	4'-0"	130	56	135	1.04
1-1-10-12	150	LD2	4'-0"	130	215	140	1.08
1-1-10-13	150	LD2	4'-0"	130	22	138	1.06
RTU1-1-11				**2110**	**1826**	**1834**	**0.87**
1-1-10-1	152	D2	10	250	315	248	0.99
RTU1-1-10				**250**		**248**	**0.99**

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Project: Greater Dayton School BP2

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Asset: RTU1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
1-2-01-1	219	D1	6	75	100	77	1.03
1-2-01-2	220	D1	8	175	142	162	0.93
1-2-01-3	220	D1	8	175	152	169	0.97
1-2-01-4	220	L2	8	150	133	158	1.05
1-2-01-5	220	D1	8	175	169	177	1.01
1-2-01-6	220	L2	8	150	127	152	1.01
1-2-01-7	220	L2	8	150	158	156	1.04
1-2-01-8	220	L2	8	150	142	144	0.96
1-2-01-9	220	D1	8	175	147	180	1.03
1-2-01-10	220	L2	8	150	125	152	1.01
1-2-01-11	220	L2	8	150	133	155	1.03
1-2-01-12	220	L2	8	150	144	161	1.07
1-2-01-13	220	D1	8	175	151	169	0.97
1-2-01-14	220	L2	8	150	125	160	1.07
1-2-01-15	220	L2	8	150	147	151	1.01
1-2-01-16	220	L2	8	150	136	158	1.05
1-2-01-17	220	L2	8	150	133	154	1.03
RTU1-2-01				**2600**		**2635**	**1.01**
1-2-02-1	212	D1	8	225	233	209	0.93
1-2-02-2	212	D1	8	225	275	224	1.00
1-2-02-3	212	D1	8	225	278	234	1.04
1-2-02-4	212	D1	8	225	232	214	0.95
1-2-02-5	212	D1	8	225	275	247	1.10
RTU1-2-02				**1125**		**1128**	**1.00**
1-2-03-1	OPEN [1]	LD1	4'-0"	520	588	542	1.04
1-2-03-2	OPEN [1]	LD1	4'-0"	520	569	529	1.02
1-2-03-3	OPEN [1]	LD1	4'-0"	520	524	538	1.03
1-2-03-4	OPEN [1]	LD1	4'-0"	520	544	556	1.07
1-2-03-5	OPEN [1]	LD5	6'-0"	780	699	751	0.96
RTU1-2-03				**2860**		**2916**	**1.02**
1-2-04-1	OPEN [1]	LD5	4'-0"	520	615	518	1.00
1-2-04-2	OPEN [1]	LD5	4'-0"	520	722	540	1.04
1-2-04-3	OPEN [1]	LD5	4'-0"	520	485	536	1.03
1-2-04-4	OPEN [1]	LD5	4'-0"	520	333	524	1.01
1-2-04-5	OPEN [1]	LD5	4'-0"	520	527	501	0.96
RTU1-2-04				**2600**		**2619**	**1.01**

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Asset: RTU1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
1-2-06-1	200	LD1	4'-0"	150	112	145	0.97
1-2-06-2	200	LD1	4'-0"	150	147	158	1.05
1-2-06-3	200	LD1	4'-0"	150	13	155	1.03
1-2-06-4	200	LD1	4'-0"	150	108	142	0.95
1-2-06-5	200	LD1	4'-0"	150	115	162	1.08
1-2-06-6	200	LD1	4'-0"	150	126	155	1.03
1-2-06-7	200	LD1	4'-0"	150	120	140	0.93
1-2-06-8	200	LD1	4'-0"	150	100	147	0.98
1-2-06-9	200	LD1	4'-0"	150	74	159	1.06
1-2-06-10	200	LD1	4'-0"	150	123	139	0.93
1-2-06-11	200	LD1	4'-0"	150	148	152	1.01
1-2-06-12	200	LD1	4'-0"	150	152	155	1.03
1-2-06-13	200	LD1	4'-0"	200	136	188	0.94
1-2-06-14	200	LD1	4'-0"	200	101	194	0.97
RTU1-2-06				**2200**		**2191**	**1.00**
1-2-07-1	200	LD5	4'-0"	375	318	351	0.94
1-2-07-2	200	LD5	4'-0"	375	340	377	1.01
RTU1-2-07				**750**		**728**	**0.97**
1-2-08-1	OPEN [1]	LD5	4'-0"	520	618	505	0.97
1-2-08-2	OPEN [1]	LD5	4'-0"	520	692	515	0.99
1-2-08-3	OPEN [1]	LD5	4'-0"	520	677	526	1.01
1-2-08-4	OPEN [1]	LD5	4'-0"	520	608	535	1.03
1-2-08-5	OPEN [1]	LD5	4'-0"	520	655	542	1.04
RTU1-2-08				**2600**		**2623**	**1.01**

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Asset: RTU1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
1-2-09-1	OPEN [1]	LD1	4'-0"	175	145	169	0.97
1-2-09-2	OPEN [1]	LD1	4'-0"	175	122	168	0.96
1-2-09-3	OPEN [1]	LD1	4'-0"	175	156	179	1.02
1-2-09-4	OPEN [1]	LD1	4'-0"	175	102	174	0.99
1-2-09-5	OPEN [1]	LD1	4'-0"	175	111	162	0.93
1-2-09-6	OPEN [1]	LD1	4'-0"	175	105	177	1.01
1-2-09-7	OPEN [1]	LD1	4'-0"	175	110	171	0.98
1-2-09-8	OPEN [1]	LD1	4'-0"	175	144	180	1.03
1-2-09-9	OPEN [1]	LD1	4'-0"	175	123	164	0.94
1-2-09-10	OPEN [1]	LD1	4'-0"	175	152	175	1.00
1-2-09-11	OPEN [1]	LD1	4'-0"	175	136	177	1.01
1-2-09-12	OPEN [1]	LD1	4'-0"	175	105	162	0.93
1-2-09-13	OPEN [1]	LD1	4'-0"	175	114	169	0.97
RTU1-2-09				**2275**		**2227**	**0.98**
1-2-10-1	E202	R5	12X10	250	54	42	0.17
1-2-10-2	202	D2	12	350	555	462	1.32
1-2-10-3	203	D2	12	350	526	451	1.29
RTU1-2-10				**950**		**955**	**1.01**
1-2-11-1	OPEN [1]	LD5	4'-0"	520	442	505	0.97
1-2-11-2	OPEN [1]	LD5	4'-0"	520	462	526	1.01
1-2-11-3	OPEN [1]	LD5	4'-0"	520	485	513	0.99
1-2-11-4	OPEN [1]	LD5	4'-0"	520	458	540	1.04
RTU1-2-11				**2080**		**2084**	**1.00**
1-3-01-1	366	D1	12	325	243	306	0.94
1-3-01-2	366	D1	12	325	270	329	1.01
RTU1-3-01				**650**		**635**	**0.98**
1-3-02-1	364	D1	8	125	100	124	0.99
RTU1-3-02				**125**		**124**	**0.99**
1-3-03-1	362	D1	8	150	190	144	0.96
RTU1-3-03				**150**		**144**	**0.96**

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Project: Greater Dayton School BP2

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Asset: RTU1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
1-3-04-1	361	D1	8	150	118	137	0.91
1-3-04-2	361	D1	8	150	113	135	0.90
1-3-04-3	361	D1	8	150	135	158	1.05
1-3-04-4	361	LD2	4'-0"	100	103	119	1.19
1-3-04-5	361	LD2	4'-0"	100	89	109	1.09
1-3-04-6	361	LD2	4'-0"	100	108	125	1.25
1-3-04-7	361	D1	8	150	149	174	1.16
1-3-04-8	361	LD2	4'-0"	100	130	103	1.03
1-3-04-9	361	LD2	4'-0"	100	58	63	0.63
1-3-04-10	361	LD2	4'-0"	100	111	99	0.99
1-3-04-11	361	LD2	4'-0"	100	59	65	0.65
1-3-04-12	361	LD1	4'-0"	150	106	156	1.04
1-3-04-13	361	D1	8	150	109	122	0.81
1-3-04-14	361	LD2	4'-0"	100	135	106	1.06
1-3-04-15	361	LD2	4'-0"	100	137	99	0.99
1-3-04-16	361	LD2	4'-0"	100	117	96	0.96
1-3-04-17	361	LD2	4'-0"	100	154	126	1.26
RTU1-3-04				**2000**	**1931**	**1992**	**1.00**
1-3-05-1	356	D1	8	200	156	195	0.98
1-3-05-2	356	D1	8	200	123	202	1.01
1-3-05-3	356	D1	8	200	145	210	1.05
1-3-05-4	356	D1	8	200	188	216	1.08
RTU1-3-05				**800**		**823**	**1.03**
1-3-06-1	357	D1	8	200	250	202	1.01
1-3-06-2	357	D1	8	200	164	185	0.93
1-3-06-3	357	D1	8	200	284	216	1.08
1-3-06-4	357	D1	8	200	173	190	0.95
1-3-06-5	357	D1	8	200	189	202	1.01
RTU1-3-06				**1000**	**1060**	**995**	**1.00**

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Asset: RTU1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
1-3-08-1	352	D1	8	200	199	199	1.00
1-3-08-2	352	D1	8	200	221	190	0.95
1-3-08-3	352	D1	8	200	207	215	1.08
1-3-08-4	352	D1	8	200	188	195	0.98
RTU1-3-08				**800**		**799**	**1.00**
1-4-01-1	461	D2	6	100	126	101	1.01
1-4-01-2	461	D2	6	100	155	105	1.05
1-4-01-3	461	D2	10	300	244	295	0.98
1-4-01-4	461	D2	10	300	268	308	1.03
RTU1-4-01				**800**		**809**	**1.01**
1-4-02-1	405	LD1	4'-0"	200	233	194	0.97
1-4-02-2	405	LD1	4'-0"	220	262	214	0.97
1-4-02-3	405	LD1	4'-0"	220	254	222	1.01
1-4-02-4	405	LD1	4'-0"	220	218	227	1.03
1-4-02-5	405	LD1	4'-0"	220	201	236	1.07
1-4-02-6	405	LD1	4'-0"	220	211	215	0.98
1-4-02-7	405	LD1	4'-0"	220	202	208	0.95
1-4-02-8	405	LD1	4'-0"	220	248	211	0.96
1-4-02-9	405	LD1	4'-0"	220	262	224	1.02
1-4-02-10	405	LD1	4'-0"	220	175	212	0.96
RTU1-4-02				**2180**		**2163**	**0.99**
1-4-03-1	456	D1	8	225	208	227	1.01
1-4-03-2	456	D1	8	225	156	218	0.97
1-4-03-3	456	D1	8	225	197	209	0.93
RTU1-4-03				**675**		**654**	**0.97**
1-4-04-1	454	D1	8	150	101	154	1.03
RTU1-4-04				**150**		**154**	**1.03**
1-4-05-1	452	D1	6	100	91	99	0.99
RTU1-4-05				**100**		**99**	**0.99**

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Asset: RTU1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
1-5-01-1	560	LD2	4'-0"	165	114	162	0.98
1-5-01-2	560	LD2	4'-0"	165	122	160	0.97
1-5-01-3	560	LD2	4'-0"	165	130	167	1.01
1-5-01-4	560	LD2	4'-0"	165	107	180	1.09
1-5-01-5	560	LD2	4'-0"	165	117	174	1.05
1-5-01-6	560	LD2	4'-0"	165	155	162	0.98
1-5-01-7	560	LD2	4'-0"	165	111	167	1.01
1-5-01-8	560	LD2	4'-0"	165	130	165	1.00
1-5-01-9	560	LD2	4'-0"	165	106	168	1.02
RTU1-5-01				**1485**		**1505**	**1.01**
1-5-02-1	[1]	LD5	4'-0"	400	347	386	0.97
1-5-02-2	[1]	LD4	4'-0"	250	297	239	0.96
1-5-02-3	[1]	LD4	4'-0"	250	266	244	0.98
1-5-02-4	[1]	LD4	4'-0"	250	248	258	1.03
1-5-02-5	[1]	LD5	4'-0"	400	313	362	0.91
1-5-02-6	[1]	LD4	4'-0"	250	277	262	1.05
1-5-02-7	[1]	LD4	4'-0"	250	262	238	0.95
1-5-02-8	[1]	LD5	4'-0"	400	285	385	0.96
1-5-02-9	[1]	LD4	4'-0"	250	249	229	0.92
1-5-02-10	[1]	LD4	4'-0"	250	278	260	1.04
1-5-02-11	[1]	LD4	4'-0"	250	233	231	0.92
RTU1-5-02				**3200**		**3094**	**0.97**
1-5-03-1	[1]	LD4	4'-0"	250	222	262	1.05
1-5-03-2	[1]	LD4	4'-0"	250	213	255	1.02
1-5-03-3	[1]	LD4	4'-0"	250	244	247	0.99
1-5-03-4	[1]	LD5	4'-0"	400	205	379	0.95
1-5-03-5	[1]	LD4	4'-0"	250	216	237	0.95
1-5-03-6	[1]	LD4	4'-0"	250	226	248	0.99
1-5-03-7	[1]	LD4	4'-0"	250	231	242	0.97
1-5-03-8	[1]	LD5	4'-0"	400	204	392	0.98
1-5-03-9	[1]	LD4	4'-0"	250	207	268	1.07
1-5-03-10	[1]	LD4	4'-0"	250	210	262	1.05
RTU1-5-03				**2800**		**2792**	**1.00**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
1-5-04-1	OPEN	LD5	4'-0"	400	366	416	1.04
1-5-04-2	OPEN	LD5	4'-0"	400	325	406	1.02
1-5-04-3	OPEN	LD5	4'-0"	400	318	385	0.96
1-5-04-4	OPEN	LD5	4'-0"	400	307	397	0.99
1-5-04-5	OPEN	LD5	4'-0"	400	352	382	0.96
1-5-04-6	OPEN	LD5	4'-0"	400	355	391	0.98
RTU1-5-04				**2400**		**2377**	**0.99**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU 2

Area: ACADEMIC CENTER

Unit Data	
Manufacturer	DAIKIN
Model Number	RPS080D
Serial Number	FBOU220800551
Configuration	VERTICAL
No. Pre Filters / Size	4 / 12X24X2
No. Final Filters / Size	12 / 24X24X12

Motor Data	
Motor MFG / Frame	BALDOR
Horsepower / RPM	40.0 / NL
Rated Volts / Phase	460 / 3
Rated Amperage / SF	46.0

Test Data		
	Design	**Actual**
Supply CFM	28000	28944
Min OA CFM	6500	6623
Return CFM	21500	22321
Operating HZ		60 hz
RL Voltage	460	462 VFD
RL Amperage	46.0	38.8 VFD
Motor B.H.P.	32.28	33.1

Performance Data		
	Design	**Actual**
Mixed Air S.P.		-1.49
Suction S.P.		-3.45
Discharge S.P.		2.28
Fan TSP		5.73
Total ESP		3.77

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU-2 VAV's

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Ak (max)
RTU2-1-01	109	SINGLE	8	300	312	300	295	858.0
RTU2-2-01	207	SINGLE	10	800	809	375	387	1489.4
RTU2-2-02	206	SINGLE	14	1425	1414	850	825	3128.0
RTU2-3-01	300	SINGLE	12	1200	1195	800	817	2318.0
RTU2-3-02	306	SINGLE	10	700	712	700	678	1423.9
RTU2-3-03	310	SINGLE	10	650	661	650	655	1943.0
RTU2-3-04	305	SINGLE	14	1710	1685	1200	1212	2794.0
RTU2-3-05	319	SINGLE	10	800	764	580	573	1455.5
RTU2-3-06	325	SINGLE	10	800	780	580	588	1515.0
RTU2-3-07	320	SINGLE	16	1800	1805	900	902	4251.0
RTU2-3-08	324	SINGLE	10	600	614	250	257	1513.0
RTU2-3-09	320	SINGLE	6	170	166	170	166	515.9
RTU2-4-01	402	SINGLE	12	1200	1231	700	711	2030.6
RTU2-4-02	406	SINGLE	10	950	965	950	915	1228.6
RTU2-4-03	405	SINGLE	16	2000	2021	1200	1244	4430.0
RTU2-4-04	417	SINGLE	10	800	826	580	589	1487.2
RTU2-4-05	419	SINGLE	6	150	144	150	152	468.0
RTU2-4-07	416	SINGLE	12	1200	1174	750	776	2001.0
RTU2-4-08	418	SINGLE	8	400	417	250	262	864.6
RTU2-4-09	420	SINGLE	6	300	292	200	203	423.8
RTU2-4-10	421	SINGLE	10	800	832	580	570	1389.8
				18755	**18819**	**12715**	**12777**	

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU-2 VAV's

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Ak (max)
RTU2-5-01	555	VAV	8	600	595	400	415	990.3
RTU2-5-02	557	VAV	6	100	108	80	82	484.0
RTU2-5-03	505	VAV	16	2000	2040	1100	1105	4689.0
RTU2-5-04	553	VAV	10	700	715	350	356	1575.0
RTU2-5-05	551	VAV	8	475	477	400	417	1192.2
RTU2-5-06	506	VAV	10	950	933	950	958	678.0
RTU2-5-07	505	VAV	16	2500	2473	1400	1414	4130.0
RTU2-5-08	519	VAV	12	1100	1083	900	902	2041.0
RTU2-5-09	517	VAV	12	1000	997	800	811	2176.0
RTU2-5-10	518	VAV	6	175	169	150	156	459.7
RTU2-5-11	526	VAV	12	1300	1304	850	842	2207.0
RTU2-5-12	520	VAV	12	990	999	750	739	2074.0
				11890	**11893**	**8130**	**8197**	

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-1-01-1	108	D2	8	150	158	165	1.10
2-1-01-2	109	D2	8	150	137	147	0.98
RTU2-1-01				**300**	**295**	**312**	**1.04**
2-2-01-1	207	D1	8	200	209	201	1.01
2-2-01-2	207	D1	8	200	196	191	0.96
2-2-01-3	207	D1	8	200	217	209	1.05
2-2-01-4	207	D1	8	200	220	208	1.04
RTU2-2-01				**800**	**842**	**809**	**1.01**
2-2-02-1	206	LD1	4'-0"	125	117	126	1.01
2-2-02-2	206	LD1	4'-0"	125	118	129	1.03
2-2-02-3	206	LD1	4'-0"	125	131	138	1.10
2-2-02-4	206	D1	10	275	236	250	0.91
2-2-02-5	206	LD1	4'-0"	125	147	127	1.02
2-2-02-6	206	LD1	4'-0"	125	138	124	0.99
2-2-02-7	206	D1	10	275	243	252	0.92
2-2-02-8	206	LD1	4'-0"	125	140	130	1.04
2-2-02-9	206	LD1	4'-0"	125	150	138	1.10
RTU2-2-02				**1425**	**1420**	**1414**	**0.99**
2-3-01-1	302	LD3	10	300	262	287	0.96
2-3-01-2	302	D4	8	150	158	162	1.08
2-3-01-3	302	D4	8	150	192	155	1.03
2-3-01-4	302	LD3	10	300	210	288	0.96
2-3-01-5	302	D4	8	150	155	148	0.99
2-3-01-6	302	D4	8	150	170	155	1.03
RTU2-3-01				**1200**		**1195**	**1.00**
2-3-02-1	306	D2	12	350	241	346	0.99
2-3-02-2	308	D2	12	350	297	366	1.05
RTU2-3-02				**700**		**712**	**1.02**
2-3-03-1	310	R5	14X8	650	744	661	1.02
RTU2-3-03				**650**		**661**	**1.02**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-3-04-1	305	LD1	4'-0"	190	155	186	0.98
2-3-04-2	305	LD1	4'-0"	190	141	192	1.01
2-3-04-3	305	LD1	4'-0"	190	132	180	0.95
2-3-04-4	305	LD1	4'-0"	190	122	187	0.98
2-3-04-5	305	LD1	4'-0"	190	102	179	0.94
2-3-04-6	305	LD2	4'-0"	190	107	192	1.01
2-3-04-7	305	LD2	4'-0"	190	147	184	0.97
2-3-04-8	305	LD2	4'-0"	190	132	197	1.04
2-3-04-9	305	LD2	4'-0"	190	144	188	0.99
RTU2-3-04				**1710**		**1685**	**0.99**
2-3-05-1	319	D1	8	200	177	183	0.92
2-3-05-2	319	D1	8	200	189	195	0.98
2-3-05-3	319	D1	8	200	194	204	1.02
2-3-05-4	319	D1	8	200	219	182	0.91
RTU2-3-05				**800**	**779**	**764**	**0.96**
2-3-06-1	325	D1	8	200	236	205	1.03
2-3-06-2	325	D1	8	200	198	188	0.94
2-3-06-3	325	D1	8	200	204	185	0.93
2-3-06-4	325	D1	8	200	214	202	1.01
RTU2-3-06				**800**		**780**	**0.98**
2-3-07-1	320	D1	8	150	130	147	0.98
2-3-07-2	320	D1	8	150	117	152	1.01
2-3-07-3	320	D1	8	150	125	142	0.95
2-3-07-4	320	D1	8	150	162	160	1.07
2-3-07-5	320	D1	8	150	142	148	0.99
2-3-07-6	320	D1	8	150	133	155	1.03
2-3-07-7	320	D1	8	150	128	162	1.08
2-3-07-8	320	D1	8	150	135	153	1.02
2-3-07-9	320	D1	8	150	117	147	0.98
2-3-07-10	320	D1	8	150	125	153	1.02
2-3-07-11	320	D1	8	150	130	141	0.94
2-3-07-12	320	D1	8	150	111	145	0.97
RTU2-3-07				**1800**		**1805**	**1.00**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-3-08-1	324	D4	10	150	169	147	0.98
2-3-08-2	324	D4	10	150	184	152	1.01
2-3-08-3	324	D4	10	150	192	155	1.03
2-3-08-4	324	D4	10	150	185	160	1.07
RTU2-3-08				**600**		**614**	**1.02**
2-3-09-1	320C	DUCT	8	65	93	70	1.08
2-3-09-2	320B	DUCT	8	105	104	96	0.91
RTU2-3-09				**170**	**197**	**166**	**0.98**
2-4-01-1	402	D4	8	150	142	158	1.05
2-4-01-2	402	D4	8	150	169	162	1.08
2-4-01-3	402	LD3	10	300	228	311	1.04
2-4-01-4	402	D4	8	150	105	155	1.03
2-4-01-5	402	LD3	10	300	262	294	0.98
2-4-01-6	402	D4	8	150	107	151	1.01
RTU2-4-01				**1200**		**1231**	**1.03**
2-4-02-1	410	R5	10	250	226	262	1.05
2-4-02-2	406	D2	12	350	268	342	0.98
2-4-02-3	408	D2	12	350	297	361	1.03
RTU2-4-02				**950**		**965**	**1.02**
2-4-03-1	405	LD1	4'-0"	200	184	191	0.96
2-4-03-2	405	LD1	4'-0"	200	177	207	1.04
2-4-03-3	405	LD1	4'-0"	200	162	217	1.09
2-4-03-4	405	LD1	4'-0"	200	169	205	1.03
2-4-03-5	405	LD1	4'-0"	200	148	194	0.97
2-4-03-6	405	LD1	4'-0"	200	155	191	0.96
2-4-03-7	405	LD1	4'-0"	200	165	205	1.03
2-4-03-8	405	LD1	4'-0"	200	162	198	0.99
2-4-03-9	405	LD1	4'-0"	200	168	211	1.06
2-4-03-10	405	LD1	4'-0"	200	178	202	1.01
RTU2-4-03				**2000**		**2021**	**1.01**
2-4-04-1	417	D1	8	200	241	202	1.01
2-4-04-2	417	D1	8	200	244	208	1.04
2-4-04-3	417	D1	8	200	256	211	1.06
2-4-04-4	417	D1	8	200	261	205	1.03
RTU2-4-04				**800**		**826**	**1.03**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-4-05-1	419	D1	8	150	123	144	0.96
RTU2-4-05				**150**		**144**	**0.96**
2-4-07-1	416	D1	10	300	268	305	1.02
2-4-07-2	416	D1	10	300	291	282	0.94
2-4-07-3	416	D1	10	300	254	292	0.97
2-4-07-4	416	D1	10	300	262	295	0.98
RTU2-4-07				**1200**		**1174**	**0.98**
2-4-08-1	418	D1	8	200	216	205	1.03
2-4-08-2	418	D1	8	200	238	212	1.06
RTU2-4-08				**400**		**417**	**1.04**
2-4-09-1	420	D1	10	250	208	240	0.96
2-4-09-2	422	D1	6	50	99	52	1.04
RTU2-4-09				**300**		**292**	**0.97**
2-4-10-1	421	D1	8	200	216	205	1.03
2-4-10-2	421	D1	8	200	222	216	1.08
2-4-10-3	421	D1	8	200	253	210	1.05
2-4-10-4	421	D1	8	200	230	201	1.01
RTU2-4-10				**800**		**832**	**1.04**
2-5-01-1	555	D1	8	150	197	147	0.98
2-5-01-2	559	R5	12X8	125	145	122	0.98
2-5-01-3	559	R5	12X8	125	152	130	1.04
2-5-01-4	HALL	LD1	4'-0"	200	188	196	0.98
RTU2-5-01				**600**		**595**	**0.99**
2-5-02-1	557	D1	6	100	130	108	1.08
RTU2-5-02				**100**		**108**	**1.08**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-5-03-1	505	LD1	4'-0"	200	241	205	1.03
2-5-03-2	505	LD1	4'-0"	200	238	194	0.97
2-5-03-3	505	LD1	4'-0"	200	2225	210	1.05
2-5-03-4	505	LD1	4'-0"	200	216	198	0.99
2-5-03-5	505	LD1	4'-0"	200	205	202	1.01
2-5-03-6	505	LD1	4'-0"	200	211	195	0.98
2-5-03-7	505	LD1	4'-0"	200	234	206	1.03
2-5-03-8	505	LD1	4'-0"	200	208	202	1.01
2-5-03-9	505	LD1	4'-0"	200	218	218	1.09
2-5-03-10	505	LD1	4'-0"	200	220	210	1.05
RTU2-5-03				**2000**		**2040**	**1.02**
2-5-04-1	553	D1	8	175	192	177	1.01
2-5-04-2	553	D1	8	175	187	180	1.03
2-5-04-3	553	D1	8	175	196	172	0.98
2-5-04-4	553	D1	8	175	213	186	1.06
RTU2-5-04				**700**		**715**	**1.02**
2-5-05-1	551	D1	10	275	252	269	0.98
2-5-05-1	500	LD2	4'-0"	200	236	208	1.04
RTU2-5-05				**475**		**477**	**1.00**
2-5-06-1	510	R5	12X10	250	277	245	0.98
2-5-06-2	506	D2	12	350	313	342	0.98
2-5-06-3	508	D2	12	350	246	346	0.99
RTU2-5-06				**950**		**933**	**0.98**
2-5-07-1	505	LD1	4'-0"	250	217	246	0.98
2-5-07-2	505	LD1	4'-0"	250	205	256	1.02
2-5-07-3	505	LD1	4'-0"	250	262	254	1.02
2-5-07-4	505	LD1	4'-0"	250	213	236	0.94
2-5-07-5	505	LD1	4'-0"	250	205	244	0.98
2-5-07-6	505	LD1	4'-0"	250	215	262	1.05
2-5-07-7	505	LD2	4'-0"	250	284	248	0.99
2-5-07-8	505	LD2	4'-0"	250	244	245	0.98
2-5-07-9	505	LD2	4'-0"	250	224	240	0.96
2-5-07-10	505	LD2	4'-0"	250	230	242	0.97
				2500		**2473**	**0.99**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-5-08-1	519	D1	10	275	298	262	0.95
2-5-08-2	519	D1	10	275	316	268	0.97
2-5-08-3	519	D1	10	275	326	278	1.01
2-5-08-4	519	D1	10	275	305	275	1.00
RTU2-5-08				**1100**		**1083**	**0.98**
2-5-09-1	517	D1	10	250	202	262	1.05
2-5-09-2	517	D1	10	250	232	258	1.03
2-5-09-3	517	D1	10	250	236	235	0.94
2-5-09-4	517	D1	10	250	211	242	0.97
RTU2-5-09				**1000**		**997**	**1.00**
2-5-10-1	518	D1	8	175	140	169	0.97
RTU2-5-10				**175**		**169**	**0.97**
2-5-11-1	526	D1	6	100	162	108	1.08
2-5-11-2	526	D1	10	300	308	294	0.98
2-5-11-3	526	D1	10	300	244	315	1.05
2-5-11-4	526	D1	10	300	262	306	1.02
2-5-11-5	526	D1	10	300	295	281	0.94
RTU2-5-11				**1300**		**1304**	**1.00**
2-5-12-1	520	D4	10	165	162	179	1.08
2-5-12-2	520	D4	10	165	155	165	1.00
2-5-12-3	520	D4	10	165	142	172	1.04
2-5-12-4	520	D4	10	165	136	168	1.02
2-5-12-5	520	D4	10	165	108	160	0.97
2-5-12-6	520	D4	10	165	122	155	0.94
RTU2-5-12				**990**		**999**	**1.01**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU 3

Area: ACADEMIC EAST

Unit Data	
Manufacturer	DAIKIN
Model Number	MPS061E
Serial Number	FBOU220600913
Configuration	VERTICAL
No. Pre Filters / Size	4 / 12X24X2
No. Final Filters / Size	8 / 24X24X12

Motor Data	
Motor MFG / Frame	BALDOR
Horsepower / RPM	30.0 / 1750
Rated Volts / Phase	460 / 3
Rated Amperage / SF	35.0 / 1.15

Test Data	Design	Actual
Supply CFM	17500	17084
Min OA CFM	5200	5366
Return CFM	12300	11718
Operating HZ		60 HZ
RL Voltage	460	462 VFD
RL Amperage	35.0	32.7 VFD
Motor B.H.P.	23.0	28

Performance Data	Design	Actual
Mixed Air S.P.		-0.42
Suction S.P.		-1.86
Discharge S.P.		2.44
Total SP		4.3
Total ESP		2.86

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU-3 VAV's

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Ak (max)
RTU3-3-01	330	VAV	8	400	413	400	417	932.8
RTU3-3-02	331	VAV	6	300	296	150	152	472.6
RTU3-3-03	334	VAV	10	800	842	580	555	1527.1
RTU3-3-04	335	VAV	10	800	828	580	562	1462.5
RTU3-3-05	337	VAV	6	150	154	150	148	495.8
RTU3-3-06	339	VAV	12	1000	1045	800	792	2249.0
RTU3-3-07	305	VAV	12	600	597	450	446	2173.0
RTU3-3-08	338	VAV	10	800	827	580	571	1459.5
RTU3-3-09	336	VAV	8	450	465	150	140	1068.1
RTU3-4-01	423	VAV	8	400	433	150	154	904.0
RTU3-4-02	426	VAV	8	350	358	150	160	1502.4
RTU3-4-03	428	VAV	10	800	839	580	592	961.6
RTU3-4-04	427	VAV	8	450	809	150	141	1461.1
RTU3-4-05	429	VAV	6	150	161	150	146	463.3
RTU3-4-06	431	VAV	12	1100	1104	900	917	2117.0
RTU3-4-07	405	VAV	12	600	633	450	458	2306.1
RTU3-4-08	432	VAV	10	800	804	580	569	1488.0
RTU3-4-09	430	VAV	6	450	462	150	141	888.7
RTU3-5-01	525	VAV	8	400	406	150	145	979.0
RTU3-5-02	529	VAV	10	1000	1000	580	568	1500.0
RTU3-5-03	534	VAV	12	1000	0	800	0	0.0
RTU3-5-04	531	VAV	6	175	169	150	155	479.2
RTU3-5-05	533	VAV	12	1200	1223	900	904	2040.0
RTU3-5-06	505	VAV	12	600	618	450	460	2028.0
RTU3-5-07	530	VAV	8	475	463	200	217	904.6
RTU3-5-08	532	VAV	12	1000	1043	800	811	2265.0

Notes: vav-3-5-3 is listed as a vacant room and as of 3/27/24 is still empty.

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
3-3-01-1	330	D1	8	200	227	204	1.02
3-3-01-2	330	D1	8	200	256	209	1.05
RTU3-3-01				**400**		**413**	**1.03**
3-3-02-1	327	D1	6	75	104	77	1.03
3-3-02-2	331	D1	8	225	181	219	0.97
RTU3-3-02				**300**		**296**	**0.99**
3-3-03-1	334	D1	8	200	255	208	1.04
3-3-03-2	334	D1	8	200	206	214	1.07
3-3-03-3	334	D1	8	200	223	209	1.05
3-3-03-4	334	D1	8	200	226	211	1.06
RTU3-3-03				**800**		**842**	**1.05**
3-3-04-1	335	D1	8	200	317	211	1.06
3-3-04-2	335	D1	8	200	0	215	1.08
3-3-04-3	335	D1	8	200	255	208	1.04
3-3-04-4	335	D1	8	200	216	194	0.97
RTU3-3-04				**800**		**828**	**1.04**
3-3-05-1	337	D1	8	150	197	154	1.03
RTU3-3-05				**150**		**154**	**1.03**
3-3-06-1	339	D1	10	250	246	255	1.02
3-3-06-2	339	D1	10	250	289	262	1.05
3-3-06-3	339	D1	10	250	318	270	1.08
3-3-06-4	339	D1	10	250	311	258	1.03
RTU3-3-06				**1000**		**1045**	**1.05**
3-3-07-1	305	LD1	6'-0"	300	320	288	0.96
3-3-07-2	305	LD1	6'-0"	300	366	309	1.03
RTU3-3-07				**600**		**597**	**1.00**
3-3-08-1	338	D1	8	200	241	206	1.03
3-3-08-2	338	D1	8	200	233	216	1.08
3-3-08-3	338	D1	8	200	284	211	1.06
3-3-08-4	338	D1	8	200	267	194	0.97
RTU3-3-08				**800**		**827**	**1.03**

NATIONAL TAB INTELLIGENCE

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
3-3-09-1	336	D1	8	150	225	160	1.07
3-3-09-2	336	LD1	4'-0"	300	288	305	1.02
RTU3-3-09				**450**		**465**	**1.03**
3-4-01-1	423	D1	8	150	162	148	0.99
3-4-01-2	423	D1	8	150	175	145	0.97
3-4-01-3	425	D1	6	100	199	140	1.40
RTU3-4-01				**400**		**433**	**1.08**
3-4-02-1	426	D4	10	115	152	120	1.04
3-4-02-2	426	D4	10	115	161	117	1.02
3-4-02-3	426	D4	10	115	128	121	1.05
RTU3-4-02				**345**		**358**	**1.04**
3-4-03-1	428	D1	8	200	246	206	1.03
3-4-03-2	428	D1	8	200	233	211	1.06
3-4-03-3	428	D1	8	200	287	217	1.09
3-4-03-4	428	D1	8	200	257	205	1.03
RTU3-4-03				**800**		**839**	**1.05**
3-4-04-1	427	D1	8	200	197	208	1.04
3-4-04-2	427	D1	8	200	155	194	0.97
3-4-04-3	427	D1	8	200	162	199	1.00
3-4-04-4	427	D1	8	200	133	208	1.04
RTU3-4-04				**800**		**809**	**1.01**
3-4-05-1	429	D1	8	150	188	161	1.07
RTU3-4-05				**150**		**161**	**1.07**
3-4-06-1	431	D1	10	275	416	289	1.05
3-4-06-2	431	D1	10	275	51	272	0.99
3-4-06-3	431	D1	10	275	311	274	1.00
3-4-06-4	431	D1	10	275	225	269	0.98
RTU3-4-06				**1100**		**1104**	**1.00**
3-4-07-1	405	LD1	6'-0"	300	375	313	1.04
3-4-07-2	405	LD1	6'-0"	300	358	320	1.07
RTU3-4-07				**600**		**633**	**1.06**

NATIONAL TAB
INTELLIGENCE

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

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Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
3-4-08-1	432	D1	8	200	240	204	1.02
3-4-08-2	432	D1	8	200	260	206	1.03
3-4-08-3	432	D1	8	200	311	195	0.98
3-4-08-4	432	D1	8	200	68	199	1.00
RTU3-4-08				**800**		**804**	**1.01**
3-4-09-1	336	D1	8	150	130	154	1.03
3-4-09-2	336	LD1	4'-0"	300	247	308	1.03
RTU3-4-09				**450**		**462**	**1.03**
3-5-01-1	525	D1	8	150	159	144	0.96
3-5-01-2	525	D1	8	150	162	154	1.03
3-5-01-3	527	D1	6	100	188	108	1.08
RTU3-5-01				**400**		**406**	**1.02**
3-5-02-1	529	D1	10	250	289	244	0.98
3-5-02-2	529	D1	10	250	262	247	0.99
3-5-02-3	529	D1	10	250	291	258	1.03
3-5-02-4	529	D1	10	250	237	251	1.00
RTU3-5-02				**1000**		**1000**	**1.00**
3-5-04-1	531	D1	8	175	109	169	0.97
RTU3-5-04				**175**		**169**	**0.97**
3-5-05-1	532	D1	10	300	340	308	1.03
3-5-05-2	532	D1	10	300	280	297	0.99
3-5-05-3	532	D1	10	300	299	313	1.04
3-5-05-4	532	D1	10	300	311	305	1.02
RTU3-5-05				**1200**		**1223**	**1.02**
3-5-06-1	505	LD1	6'-0"	300	448	313	1.04
3-5-06-2	505	LD1	6'-0"	300	402	305	1.02
RTU3-5-06				**600**		**618**	**1.03**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
3-5-07-1	530	D1	8	175	194	177	1.01
3-5-07-2	530	LD1	4'-0"	300	205	286	0.95
RTU3-5-07				**475**		**463**	**0.97**
3-5-08-1	532	D1	10	250	262	270	1.08
3-5-08-2	532	D1	10	250	294	268	1.07
3-5-08-3	532	D1	10	250	388	254	1.02
3-5-08-4	532	D1	10	250	205	251	1.00
RTU3-5-08				**1000**		**1043**	**1.04**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU 4

Area: GYMNASIUM

Unit Data	
Manufacturer	DAIKIN
Model Number	MPS040F
Serial Number	FBOU221000322
Configuration	VERTICAL
No. Pre Filters / Size	4 / 18X24X2
No. Pre Filters / Size	8 / 24X24X2

Motor Data	
Motor MFG / Frame	BALDOR
Horsepower	15.0
Rated Volts / Phase	460 / 3
Rated Amperage / SF	17.7 / 1.15

Test Data	Design	Actual
Supply CFM	12800	11791
Min OA CFM	4000	4112
Return CFM	8800	7679
Operating HZ		60 hz
RL Voltage	460	459 vfd
RL Amperage	17.7	12.2 vfd
Motor B.H.P.	10.8	10.6

Performance Data	Design	Actual
Mixed Air S.P.		-0.2
Suction S.P.		-0.89
Discharge S.P.		2.27
Total SP	3.83	3.16
Total ESP	2.00	2.47

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU4 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
4-1	OPEN [1]	R7	30X8	1000	774	995	1.00
4-2	OPEN [1]	R7	30X8	1000	717	978	0.98
4-3	OPEN [1]	R7	30X8	1000	854	1014	1.01
4-4	OPEN [1]	R7	30X8	1000	852	992	0.99
4-5	OPEN [1]	R7	30X8	1000	748	1056	1.06
4-6	OPEN [1]	R7	30X8	1000	766	994	0.99
4-7	OPEN [1]	R7	30X8	1000	905	924	0.92
4-8	OPEN [1]	R7	30X8	1000	877	965	0.97
4-9	OPEN [1]	R7	30X8	1000	615	1027	1.03
4-10	OPEN [1]	R7	30X8	1000	608	945	0.95
4-11	OPEN [1]	R7	30X8	1000	642	988	0.99
4-12	OPEN [1]	R7	30X8	1000	775	913	0.91
				12000	**9133**	**11791**	**0.98**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU5

Area: COMMUNITY SERVICES

Unit Data	
Manufacturer	DAIKIN
Model Number	DPS015A
Serial Number	FBOU221000185
Configuration	VERTICAL
No. Pre Filters / Size	6 / 18X24X2
No. Final Filters / Size	6 / 18X24X4

Motor Data	
Motor MFG / Frame	BALDOR
Horsepower / RPM	8.0 / 1750
Rated Volts / Phase	460 / 3
Rated Amperage / SF	6.8 / 1.15

Test Data	Design	Actual
Supply CFM	6000	6222
Min OA CFM	1000	1048
Return CFM	5000	5174
Operating HZ		58 HZ
RL Voltage	460	456 VFD
RL Amperage	6.8	5.5 VFD
Motor B.H.P.		6.5

Performance Data	Design	Actual
Mixed Air S.P.		-0.45
Suction S.P.		-1.7
Discharge S.P.		1.1
Total SP		2.8
Total ESP		1.55

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU-5 VAV's

Asset	Area Served		Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Ak (max)
RTU5-1-01	C112	REHEAT	SINGLE	10	800	810	550	561	1519.30
RTU5-1-02	C114	REHEAT	SINGLE	8	475	481	230	227	922.8
RTU5-1-03	C120	REHEAT	SINGLE	8	450	455	230	225	993.0
RTU5-1-04	C122	REHEAT	SINGLE	10	800	835	550	557	1462.5
RTU5-1-05	C110	REHEAT	SINGLE	10	700	719	350	362	1436.0
RTU5-1-06	C101	REHEAT	SINGLE	12	950	971	600	612	2301.0
RTU5-1-07	C137	REHEAT	SINGLE	8	525	532	230	233	936.6
RTU5-1-08	C124	REHEAT	SINGLE	6	300	285	120	119	481.4
RTU5-1-09	C136	REHEAT	SINGLE	8	525	543	230	235	927.9
RTU5-1-10	C130	REHEAT	SINGLE	8	550	553	230	236	949.9

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU5 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
5-1-01-1	C112	D1	10	270	309	276	1.02
5-1-01-2	C112	D1	10	260	244	247	0.95
5-1-01-3	C112	D1	10	270	332	287	1.06
RTU5-1-01				**800**	**885**	**810**	**1.01**
5-1-02-1	C114	D1	8	250	232	256	1.02
5-1-02-2	C116	D1	8	225	253	225	1.00
RTU5-1-02				**475**	**485**	**481**	**1.01**
5-1-03-1	C118	D1	8	225	221	221	0.98
5-1-03-2	C120	D1	8	225	234	234	1.04
RTU5-1-03				**450**	**455**	**455**	**1.01**
5-1-04-1	C122	D1	10	270	280	275	1.02
5-1-04-2	C122	D1	10	265	290	284	1.07
5-1-04-3	C122	D1	10	265	273	276	1.04
RTU5-1-04				**800**	**843**	**835**	**1.04**
5-1-05-1	C110	D1	10	350	373	353	1.01
5-1-05-2	C110	D1	10	350	353	366	1.05
RTU5-1-05				**700**	**726**	**719**	**1.03**
5-1-06-1	C101	D1	8	175	55	175	1.00
5-1-06-2	C101	D1	8	175	257	172	0.98
5-1-06-3	C101	D1	8	175	278	184	1.05
5-1-06-4	C101	D1	8	175	266	167	0.95
5-1-06-5	C144	D1	10	250	362	273	1.09
RTU5-1-06				**950**	**1218**	**971**	**1.02**
5-1-07-1	C123	R5	6X6	25	30	26	1.04
5-1-07-2	C123	D1	6	100	88	105	1.05
5-1-07-3	HALL	D1	6	75	80	72	0.96
5-1-07-4	C125	D1	6	75	82	77	1.03
5-1-07-5	C119	D1	6	100	85	108	1.08
5-1-07-6	C137	D1	8	150	90	144	0.96
RTU5-1-07				**525**		**532**	**1.01**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU5 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
5-1-08-1	C133	R5	6X6	50	71	45	0.90
5-1-08-2	C124	D1	8	200	202	185	0.93
5-1-08-3	C126	D1	6	50	69	55	1.10
RTU5-1-08				**300**	**342**	**285**	**0.95**
5-1-09-1	C136	D1	10	250	265	261	1.04
5-1-09-2	C142	D1	8	175	181	174	0.99
5-1-09-3	C140	D1	6	100	107	108	1.08
RTU5-1-09				**525**	**553**	**543**	**1.03**
5-1-10-1	C130	D1	10	275	282	266	0.97
5-1-10-2	C130	D1	10	275	311	287	1.04
RTU5-1-10				**550**	**593**	**553**	**1.01**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU6

Area: KITCHEN/LOCKERS

Unit Data	
Manufacturer	VALENT
Model Number	VXE-312-74-30L-30I-O
Serial Number	19924922
Configuration	VERTICAL
No. Pre Filters / Size	8 / 20X24X2
No. Pre Filters / Size	4 / 16X20X2
No. Final Filters / Size	8 / 20X20X2

Motor Data (X2)	
Motor MFG / Frame	BALDOR / 213
Horsepower / RPM	7.5 / 1770
Rated Volts / Phase	460 / 3
Rated Amperage / SF	9.8 / 1.15

Test Data	Design	Actual
Supply CFM	9000	8642
Min OA CFM	9000	8642
Return CFM	0	0
Operating HZ		55 HZ
RL Voltage	460	450 VFD
RL Amperage	18.9	14.7 VFD
Motor B.H.P.		11.6

Performance Data	Design	Actual
Mixed Air S.P.		0.2
Suction S.P.		1.92
Discharge S.P.		1.32
Total SP		3.24
Total ESP		1.52

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU-6 VAV's

Asset	Area Served		Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Ak (max)
RTU6-1-01	114	REHEAT	SINGLE	16	1200	1226	400	416	4056
RTU6-1-02	110	REHEAT	SINGLE	6	250	256	230	240	525
RTU6-1-03	114.1	REHEAT	SINGLE	12	1500	1456	600	622	2072
RTU6-1-04	114	REHEAT	SINGLE	16	1360	1387	400	414	3859
RTU6-1-05	116	REHEAT	SINGLE	12	940	951	940	946	1659
RTU6-1-06	125	REHEAT	SINGLE	14	1820	1803	1820	1814	2850
RTU6-1-07	125	REHEAT	SINGLE	14	1780	1810	1620	1616	2805
					8850	**8889**	**6010**	**6068**	

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU6 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
6-1-01-1	114	D1	10	300	340	308	1.03
6-1-01-2	114	D1	10	300	322	294	0.98
6-1-01-3	114	D1	10	300	359	307	1.02
6-1-01-4	114	D1	10	300	325	317	1.06
RTU6-1-01				**1200**		**1226**	**1.02**
6-1-02-1	110	R5	12X8	250	296	256	1.02
RTU6-1-02				**250**		**256**	**1.02**
6-1-03-1	114.1	D1	12	500	452	478	0.96
6-1-03-2	114.1	D1	12	500	416	484	0.97
6-1-03-3	114.1	D1	12	500	413	494	0.99
RTU6-1-03				**1500**		**1456**	**0.97**
6-1-04-1	114	D1	10	300	355	312	1.04
6-1-04-2	114	D1	10	300	362	328	1.09
6-1-04-3	115	D1	8	160	180	172	1.08
6-1-04-4	114	D1	10	300	222	289	0.96
6-1-04-5	114	D1	10	300	233	286	0.95
RTU6-1-04				**1360**		**1387**	**1.02**
6-1-05-1	119	R5	10X6	200	98	204	1.02
6-1-05-2	113	D1	8	150	175	152	1.01
6-1-05-3	121	D1	8	100	101	92	0.92
6-1-05-4	116	D2	6	25	55	26	1.04
6-1-05-5	118	R5	10X6	140	106	144	1.03
6-1-05-6	117	D1	10	325	184	333	1.02
RTU6-1-05				**940**		**951**	**1.01**
6-1-06-1	125	D1	12	540	71	515	0.95
6-1-06-2	125	D1	12	540	515	532	0.99
6-1-06-3	127	D1	8	200	285	211	1.06
6-1-06-4	125	D1	12	540	622	545	1.01
RTU6-1-06				**1820**		**1803**	**0.99**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: RTU6 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
6-1-07-1	125	D1	12	540	114	520	0.96
6-1-07-2	125	D1	12	540	684	552	1.02
6-1-07-3	121	D1	8	200	284	208	1.04
6-1-07-4	126	D1	6	100	162	104	1.04
6-1-07-5	121	D1	8	200	285	216	1.08
6-1-07-6	121	D1	8	200	77	210	1.05
RTU6-1-07				**1780**		**1810**	**1.02**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF1 **Area: ART/KILN EXHAUST (HIGH ROOF)**

Unit Data	
MFG	COOK
Model Num	120C28DOR91VF
Serial Num	108SJ87911-01/000930
Type	CRE DNBLAST

Motor Data	
Motor MFG	US MOTOR
Frame	56
Horsepower	0.33
Motor Rpm	1725
Phase	1
Voltage (rated)	120
Amperage (rated)	6
Service Factor	1.25

Test Data		
	Design	**Actual**
CFM	1025	1059
RL Voltage	115	120
RL Amperage		4.2
Suction ESP		1.77
Total ESP	1.5	1.77
Brake Horse Power		0.23

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E1-1	152	R1	22X10	150		147	0.98
E1-2	152	R1	22X10	75		77	1.03
E1-3	150	R1	22X22	400		426	1.07
E1-4	150	R1	22X22	400		409	1.02
				1025		**1059**	**1.03**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF2

Area: TOILET EXHAUST (HIGH ROOF)

Unit Data	
MFG	COOK
Model Num	135R OR80
Serial Num	108SJ87911-01/0003777
Type	CRE DNBLAST

Motor Data	
Motor MFG	US MOTOR
Frame	56
Horsepower	0.33
Motor Rpm	1725
Phase	1
Voltage (rated)	115
Amperage (rated)	6
Service Factor	1.25

Test Data		
	Design	**Actual**
CFM	300	298
RL Voltage	115	120
RL Amperage	6	4.5
Suction ESP		1.07
Total ESP	1.25	1.07
Brake Horse Power		0.25

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E2-1	354	R1	22X10	75	20	72	0.96
E2-2	359	R1	22X10	75	42	74	0.99
E2-3	358	R1	22X10	75	24	77	1.03
E2-4	210	R1	22X10	75	18	75	1.00
				300		**298**	**0.99**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF3 **Area: TOILET EXHAUST (HIGH ROOF)**

Unit Data	
MFG	COOK
Model Num	300C 10B
Serial Num	108SJ87911-01/000220
Type	CRE DNBLAST

Motor Data	
Motor MFG	WEG
Frame	182
Horsepower	3
Motor Rpm	1725
Phase	3
Voltage (rated)	460
Amperage (rated)	4.8
Service Factor	1.15

Test Data		
	Design	**Actual**
CFM	5375	5388
RL Voltage	460	477/472/475
RL Amperage	4.8	4.2/4.0/4.0
Suction ESP		-1.24
Total ESP	1.5	1.24

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E3-1	508	R1	22X10	500	1014	528	1.06
E3-2	506	R1	22X10	500	922	545	1.09
E3-3	504	R1	22X10	75	196	78	1.04
E3-4	408	R1	22X10	500	748	522	1.04
E3-5	406	R1	22X10	500	755	536	1.07
E3-6	401	R1	22X10	75	108	77	1.03
E3-7	308	R1	22X10	500	692	525	1.05
E3-8	306	R1	22X10	500	664	544	1.09
E3-9	304	R1	22X10	75	100	80	1.07
E3-10	203	R1	22X10	500	337	457	0.91
E3-11	202	R1	22X10	500	402	488	0.98
E3-12	201	R1	22X10	75	77	73	0.97
E3-13	109	R1	22X10	500	222	456	0.91
E3-14	108	R1	22X10	500	217	417	0.83
E3-15	107	R1	22X10	75	60	69	0.92
				5375	**6514**	**5395**	**1.00**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF4 **Area: COMMUNITY SERVICES EXHAUST (LOW ROOF)**

Unit Data	
MFG	COOK
Model Num	135C OR91
Serial Num	108SJ87911-01/0003701
Type	CRE DNBLAST

Motor Data	
Motor MFG	US MOTOR
Frame	56
Horsepower	0.33
Motor Rpm	1725
Phase	1
Voltage (rated)	115
Amperage (rated)	6
Service Factor	1.25

Test Data		
	Design	**Actual**
CFM	450	461
RL Voltage	115	120
RL Amperage	6	5.2
Suction ESP		0.78
Total ESP		0.78
Brake Horse Power		0.29

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E4-1	C128	R1	22X10	75	100	80	1.07
E4-2	C136	R1	22X10	75	95	74	0.99
E4-3	C138	R1	22X10	75	18	78	1.04
E4-4	C102	R1	22X10	75	105	77	1.03
E4-5	C121	R1	22X10	150	122	152	1.01
				450	**440**	**461**	**1.02**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF5 **Area: KITCHEN HOOD EXHAUST (LOW ROOF)**

Unit Data	
MFG	COOK
Model Num	300VCRX
Serial Num	08SJ87911-01/000520
Type	CRE UPBLAST

Motor Data	
Motor MFG	BALDOR
Frame	184
Horsepower	5
Motor Rpm	1725
Phase	3
Voltage (rated)	460
Amperage (rated)	6.6
Service Factor	1.15

Drive Data	
Motor Sheave Size	2VP50
Motor Bore Size	1-1/8
Fan Sheave Size	2MA68
Fan Bore Size	1-3/16
Belt CL Distance	8"
No of Belts	2
Belt Size	A31

Test Data		
	Design	**Actual**
CFM	4400	4298
Fan RPM	1165	1333
RL Voltage	460	489/491/486
RL Amperage	7.6	5.9/6.0/5.8
Suction ESP		-1.97
Total ESP	2.5	1.97
Brake Horse Power		4.45

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E5-1	114	DUCT	24X24	2200	1943	2202	1.00
E5-2	114	DUCT	24X24	2200	1782	2096	0.95
				4400	**3725**	**4298**	**0.98**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF6

Area: DISHWASHER HOOD EXHAUST (LOW ROOF)

Unit Data	
MFG	COOK
Model Num	210RX7B
Serial Num	108SJ87911-01/0006601
Type	CRE UPBLAST

Motor Data	
Motor MFG	WEG
Frame	143
Horsepower	1
Motor Rpm	1760
Phase	3
Voltage (rated)	460
Amperage (rated)	1.5
Service Factor	1.15

Drive Data	
Motor Sheave Size	MVL44
Motor Bore Size	7/8
Fan Sheave Size	MFAL54
Fan Bore Size	3/4
Belt CL Distance	9"
No of Belts	1
Belt Size	A23

Test Data		
	Design	**Actual**
CFM	1200	1123
RL Voltage	460	477/478/472
RL Amperage	1.5	1.1/1.2/1.0
Suction ESP		0.66
Total ESP		0.66
Brake Horse Power		0.75

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF7 **Area: GENERAL EXHAUST (ABOVE CEILING)**

Unit Data	
MFG	COOK
Model Num	GNVF-180
Serial Num	N/A
Type	INLINE

Test Data		
	Design	**Actual**
CFM	150	140
RL Voltage	115	120
RL Amperage	1.2	0.6

Motor Data	
Phase	1
Voltage (rated)	115
Amperage (rated)	1.2
Service Factor	N/A

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E7-1	118	R2	8X6	**150**	92	140	0.93

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF8 **Area: TOILET EXHAUST (HIGH ROOF)**

Unit Data	
MFG	COOK
Model Num	135C28DOR70VF
Serial Num	108SJ87911-01/001490
Type	CRE DNBLAST

Motor Data	
Motor MFG	US MOTOR
Frame	56
Horsepower	0.75
Motor Rpm	2800
Phase	1
Voltage (rated)	120
Amperage (rated)	10.4
Service Factor	1.15

Test Data		
	Design	**Actual**
CFM	450	432
RL Voltage	115	120
RL Amperage		8.2
Suction ESP	1.5	-1.69
Total ESP		1.69

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E8-1	522	R1	22X10	75	105	74	0.99
E8-2	424	R1	22X10	75	92	72	0.96
E8-3	328	R1	22X10	75	45	79	1.05
E8-4	328	R1	22X10	75	62	70	0.93
E8-5	323	R1	22X10	75	52	68	0.91
E8-6	321	R1	22X10	75	50	69	0.92
				450	**406**	**432**	**0.96**

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF9

Area: SCIENCE LAB EXHAUST (HIGH ROOF)

Unit Data	
MFG	COOK
Model Num	135R5B
Serial Num	108SJ87911-01/0013501
Type	CRE UPBLAST

Motor Data	
Horsepower	0.5
Motor Rpm	1725
Phase	1
Voltage (rated)	115
Amperage (rated)	9.8
Service Factor	1.15

Test Data		
	Design	**Actual**
CFM	1200	1133
RL Voltage	115	120
RL Amperage	9.8	7.7
Suction ESP		0.67
Total ESP	0.75	0.67

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E9-1	526	R1	22X22	1200	946	1133	0.94

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF10 **Area: GYM STORAGE EXHAUST (ABOVE CEILING)**

Unit Data	
MFG	COOK
Model Num	100SQN17DEC
Type	INLINE

Test Data		
	Design	**Actual**
CFM	600	626

Motor Data	
Horsepower	0.25
Motor Rpm	1725
Phase	1
Voltage (rated)	115
Service Factor	1.15

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E10-1	139	R1	22X22	600	447	626	1.04

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF11 **Area: MAIN MECHANICAL 130 (LOW ROOF)**

Unit Data	
MFG	COOK
Model Num	120C4B
Serial Num	108SJ87911-01/000930
Type	CRE DNBLAST

Motor Data	
Motor MFG	US MOTOR
Frame	56
Horsepower	0.33
Motor Rpm	1725
Phase	1
Voltage (rated)	120
Amperage (rated)	6
Service Factor	1.25

Drive Data	
Motor Sheave Size	3-1/8
Motor Bore Size	1/2
Fan Sheave Size	3-1/2
Fan Bore Size	3/4
Belt CL Distance	6.5"
No of Belts	1
Belt Size	4L210

Test Data		
	Design	**Actual**
CFM	1250	1158
Fan RPM	1317	1455
RL Voltage	115	121
RL Amperage	7.2	6.8
Suction ESP		-0.37
Total ESP	0.25	0.37
Brake Horse Power		0.32

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E11-1	130	R2	24X14	1250	737	1158	0.93

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF12 **Area: TRASH 134 (ABOVE CEILING)**

Unit Data	
MFG	COOK
Model Num	90SQN17DEC
Type	INLINE

Test Data		
	Design	**Actual**
CFM	325	317

Motor Data	
Horsepower	0.167
Motor Rpm	1725
Phase	1
Voltage (rated)	115
Service Factor	1.15

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E12-1	134	R2	12X12	325	0	317	0.98

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: EF13 **Area: DISHWASHER ROOM EXHAUST (LOW ROOF)**

Unit Data	
MFG	COOK
Model Num	150RH5B
Serial Num	NA
Type	CRE UPBLAST

Motor Data	
Motor MFG	US MOTOR
Frame	56
Horsepower	0.5
Motor Rpm	1725
Phase	1
Voltage (rated)	120
Amperage (rated)	7.5
Service Factor	1.25

Drive Data	
Motor Sheave Size	3-1/8
Motor Bore Size	1/2
Fan Sheave Size	MA35
Fan Bore Size	3/4
Belt CL Distance	6"
No of Belts	1
Belt Size	4L210

Test Data		
	Design	**Actual**
CFM	800	859
Fan RPM	1415	1298
RL Voltage	115	119
RL Amperage	7.5	6.5
Suction ESP		-0.55
Total ESP	1	0.55
Brake Horse Power		0.43

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
E13-1	114.1	R1	22X10	800	1110	859	1.07
				800	**1110**	**859**	

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: HWP1 **Area: BOILER #1**

Unit Data	
	Actual
MFG	GRUNDFOS
Model Num	16-25709-130
Serial Num	1971220580-10A
Service	HOT WATER
Pump RPM	1760
GPM/Head	120 / 25.13
Impellar Diameter	5.62

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	145JM
Horsepower	1.50
Motor RPM	1800
Phase	3
Voltage	480
Amperage	2.2
Service Factor	1.15
Efficiency	86.5
Power Factor	72

Test Data		
	Design	**Actual**
Pump Off Pressure (psi)		15 PSI
Valve Open GPM		122 GPM
Valve Open Diff (ft)		24.5 FT
Discharge Pressure (ft)		93.7 FT
Suction Pressure (ft)		69.2 FT
Total Head Pressure (ft)	25.13	24.5 FT
Final GPM		122 GPM
Motor Frequency (HZ)		60 HZ
System Set Point		SINGLE
RL Voltage	480	478/480/481
RL Amperage		1.8/1.8/1.9
BHP		1.28

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: HWP2 **Area: BOILER #2**

Unit Data	
	Actual
MFG	GRUNDFOS
Model Num	16-25709-130
Serial Num	1971220580-10B
Service	HOT WATER
Pump RPM	1760
GPM/Head	120 / 25.13
Impellar Diameter	5.62

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	145JM
Horsepower	1.50
Motor RPM	1800
Phase	3
Voltage	480
Amperage	2.2
Service Factor	1.15
Efficiency	86.5
Power Factor	72

Test Data		
	Design	**Actual**
Pump Off Pressure (psi)		15 PSI
Valve Open GPM		127 GPM
Valve Open Diff (ft)		22.3 FT
Discharge Pressure (ft)		90.1 FT
Suction Pressure (ft)		67.8 FT
Total Head Pressure (ft)	25.13	22.3 FT
Final GPM		127 GPM
Motor Frequency (HZ)		60 HZ
System Set Point		SINGLE
RL Voltage	480	476/480/477
RL Amperage		2.0/1.9/1.9
BHP		1.36

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: BOILERS

Unit Data	B1		B2	
Manufacturer	ADVANCED THERMAL HYDRONICS		ADVANCED THERMAL HYDRONICS	
Model Number	KN20		KN20	
Serial Number	4228866		4228865	
Test Data	**Design**	**Actual**	**Design**	**Actual**
Water Flow GPM	120	122	120	127

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: HWP3

Unit Data	
	Actual
MFG	GRUNDFOS
Model Num	25957 LCS
Serial Num	1971220580-20A
Service	HOT WATER
Pump RPM	1775
GPM/Head	240 / 75
Impellar Diameter	8.93

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	213TC
Horsepower	1800
Motor RPM	7.50
Phase	3
Voltage	480
Amperage	9.8
Service Factor	1.15
Efficiency	91
Power Factor	79

Test Data		
	Design	**Actual**
Pump Off Pressure (psi)		39.2 PSI
Valve Open GPM		262 GPM
Valve Open Diff (ft)		62.8 FT
Discharge Pressure (ft)		152.1 FT
Suction Pressure (ft)		89.3 FT
Total Head Pressure (ft)	75	62.8 FT
Final GPM		262.3
Motor Frequency (HZ)	60 HZ	60 HZ
System Set Point		16 PSID
RL Voltage	480	459 VFD
RL Amperage		8.8 VFD
BHP		6.7

National TAB

Project: Greater Dayton School BP2

Address: Deeds Park Dr. Dayton, OH

Asset: HWP4

Unit Data	
	Actual
MFG	GRUNDFOS
Model Num	25957 LCS
Serial Num	1971220580-20B
Service	HOT WATER
Pump RPM	1775
GPM/Head	240 / 75
Impellar Diameter	8.93

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	213TC
Horsepower	1800
Motor RPM	7.50
Phase	3
Voltage	480
Amperage	9.8
Service Factor	1.15
Efficiency	91
Power Factor	79

Test Data		
	Design	**Actual**
Pump Off Pressure (psi)		41 PSI
Valve Open GPM		248 GPM
Valve Open Diff (ft)		69.5 FT
Discharge Pressure (ft)		157.5 FT
Suction Pressure (ft)		88.0 FT
Total Head Pressure (ft)	75	69.5 FT
Final GPM		247.7
Motor Frequency (HZ)	60 HZ	60 HZ
System Set Point		16 PSID
RL Voltage	480	465 VFD
RL Amperage		8.5 VFD
BHP		6.51

National TAB

Project: Greater Dayton School BP2
Address: Deeds Park Dr. Dayton, OH

Asset: CIRCUIT SETTERS **Service: HOT WATER**

Asset	Location	MFG	Size	Type	Design GPM	Setting	Delta P	Final GPM	% to Design
UH-1	130	Griswold	1.00	Autoflow	3.60	2-32 psi	7.8	3.60	100%
UH-2	130	Griswold	1.00	Autoflow	3.60	2-32 psi	9.2	3.60	100%
UH-3	134	Griswold	1.00	Autoflow	1.90	2-32 psi	8.8	1.90	100%
UH-4	135	Griswold	1.00	Autoflow	1.90	2-32 psi	7.1	1.90	100%
CUH-1	121	Griswold	1.00	Autoflow	1.90	2-32 psi	17.8	1.90	100%
CUH-2	127	Griswold	0.75	Autoflow	1.90	2-32 psi	16.4	1.90	100%
RTU6-1-07	125	Griswold	1.00	Autoflow	4.70	2-32 psi	14.2	4.70	100%
RTU6-1-06	125	Griswold	1.00	Autoflow	5.20	2-32 psi	16.5	5.20	100%
CUH-3	125	Griswold	1.00	Autoflow	1.90	2-32 psi	15.8	1.90	100%
RTU6-1-05	119	Griswold	0.75	Autoflow	2.90	2-32 psi	14.8	2.90	100%
RTU5-1-10	C130	Griswold	0.75	Autoflow	0.70	2-32 psi	12.5	0.70	100%
RTU5-1-09	C136	Griswold	0.75	Autoflow	0.70	2-32 psi	13.6	0.70	100%
RTU5-1-06	C135	Griswold	0.75	Autoflow	1.70	2-32 psi	17.5	1.70	100%
CUH-4	C100	Griswold	1.00	Autoflow	1.90	2-32 psi	12.4	1.90	100%
RTU5-1-08	C124	Griswold	0.75	Autoflow	0.30	2-32 psi	15.2	0.30	100%
RTU5-1-07	C125	Griswold	0.75	Autoflow	0.70	2-32 psi	18.8	0.70	100%
RTU5-1-04	C122	Griswold	0.75	Autoflow	1.60	2-32 psi	16.4	1.60	100%
RTU5-1-03	C118	Griswold	0.75	Autoflow	0.70	2-32 psi	15.8	0.70	100%
RTU5-1-02	C114	Griswold	0.75	Autoflow	0.70	2-32 psi	17.7	0.70	100%
RTU5-1-05	C110	Griswold	0.75	Autoflow	1.00	2-32 psi	14.2	1.00	100%
RTU5-1-01	C112	Griswold	0.75	Autoflow	1.60	2-32 psi	15.2	1.60	100%
RTU6-1-04	114	Griswold	0.75	Autoflow	1.20	2-32 psi	18.4	1.20	100%
RTU6-1-03	114	Griswold	0.75	Autoflow	1.70	2-32 psi	11.1	1.70	100%
RTU6-1-01	114	Griswold	0.75	Autoflow	1.20	2-32 psi	12.9	1.20	100%
RTU6-1-02	114	Griswold	0.75	Autoflow	0.70	2-32 psi	16.4	0.70	100%
RTU2-1-01	109	Griswold	0.75	Autoflow	0.90	2-32 psi	13.7	0.90	100%
RTU1-1-09	102	Griswold	0.75	Autoflow	2.40	2-32 psi	13.4	2.40	100%
RTU1-1-08	100	Griswold	0.75	Autoflow	1.30	2-32 psi	17.4	1.30	100%
RTU1-1-07	154	Griswold	0.75	Autoflow	0.90	2-32 psi	16.1	0.90	100%
RTU1-1-10	150	Griswold	0.75	Autoflow	0.60	2-32 psi	16.2	0.60	100%
RTU1-1-11	150	Griswold	1.00	Autoflow	4.00	2-32 psi	15.1	4.00	100%
				Total	56.00				

National TAB

Project: Greater Dayton School BP2
Address: Deeds Park Dr. Dayton, OH

Asset: CIRCUIT SETTERS **Service: HOT WATER**

Asset	Location	MFG	Size	Type	Design GPM	Setting	Delta P	Final GPM	% to Design
RTU1-2-10	202	Griswold	0.75	Autoflow	2.10	2-32 psi	10.2	2.10	100%
RTU1-2-11	200	Griswold	1.00	Autoflow	3.50	2-32 psi	11.5	3.50	100%
RTU2-2-01	207	Griswold	0.75	Autoflow	1.10	2-32 psi	10.5	1.10	100%
RTU2-2-02	206	Griswold	0.75	Autoflow	2.40	2-32 psi	10.6	2.40	100%
RTU1-2-09	200	Griswold	0.75	Autoflow	2.30	2-32 psi	11.7	2.30	100%
RTU1-2-08	200	Griswold	1.00	Autoflow	3.50	2-32 psi	12.1	3.50	100%
RTU-1-2-06	200	Griswold	1.00	Autoflow	4.00	2-32 psi	11.6	4.00	100%
RTU1-2-07	200	Griswold	0.75	Autoflow	1.30	2-32 psi	13.3	1.30	100%
RTU1-2-01	212	Griswold	0.75	Autoflow	3.60	2-32 psi	14.1	3.60	100%
RTU1-2-02	212	Griswold	0.75	Autoflow	2.00	2-32 psi	12.7	2.00	100%
RTU1-2-05	200	Griswold	0.75	Autoflow	1.70	2-32 psi	13.5	1.70	100%
RTU1-2-04	200	Griswold	1.00	Autoflow	3.50	2-32 psi	16.1	3.50	100%
RTU1-2-03	200	Griswold	1.00	Autoflow	3.50	2-32 psi	14.2	3.50	100%
RTU2-3-09	320	Griswold	0.75	Autoflow	0.60	2-32 psi	10.5	0.60	100%
RTU2-3-05	319	Griswold	0.75	Autoflow	1.70	2-32 psi	8.2	1.70	100%
RTU2-3-06	325	Griswold	0.75	Autoflow	1.70	2-32 psi	9.8	1.70	100%
RTU2-3-07	324	Griswold	0.75	Autoflow	2.60	2-32 psi	7.5	2.60	100%
RTU2-3-08	330	Griswold	0.75	Autoflow	0.70	2-32 psi	8.5	0.70	100%
RTU3-3-02	335	Griswold	0.75	Autoflow	0.60	2-32 psi	8.2	0.60	100%
RTU3-3-01	334	Griswold	0.75	Autoflow	1.70	2-32 psi	7.3	1.70	100%
RTU3-3-03	334	Griswold	0.75	Autoflow	1.70	2-32 psi	9.2	1.70	100%
RTU3-3-05	335	Griswold	0.75	Autoflow	0.60	2-32 psi	7.9	0.60	100%
RTU3-3-04	335	Griswold	0.75	Autoflow	1.70	2-32 psi	7.5	1.70	100%
RTU3-3-07	339	Griswold	0.75	Autoflow	1.30	2-32 psi	8.6	1.30	100%
RTU3-3-06	339	Griswold	0.75	Autoflow	2.30	2-32 psi	10.9	2.30	100%
RTU-3-3-09	336	Griswold	0.75	Autoflow	0.60	2-32 psi	9.2	0.60	100%
RTU3-3-08	338	Griswold	0.75	Autoflow	1.70	2-32 psi	8.1	1.70	100%
RTU2-3-04	319	Griswold	1.00	Autoflow	3.50	2-32 psi	7.5	3.50	100%
RTU2-3-02	305	Griswold	0.75	Autoflow	1.50	2-32 psi	7.7	1.50	100%
RTU-2-3-01	300	Griswold	0.75	Autoflow	2.30	2-32 psi	8.1	2.30	100%
RTU1-3-08	354	Griswold	0.75	Autoflow	1.70	2-32 psi	9.3	1.70	100%
RTU1-3-07	360	Griswold	0.75	Autoflow	1.70	2-32 psi	8.7	1.70	100%
				Total	64.70				

NOTES:

National TAB

Project: Greater Dayton School BP2
Address: Deeds Park Dr. Dayton, OH

Asset: CIRCUIT SETTERS **Service: HOT WATER**

Asset	Location	MFG	Size	Type	Design GPM	Setting	Delta P	Final GPM	% to Design
RTU1-3-06	357	Griswold	0.75	Autoflow	1.70	2-32 psi	9.8	1.70	100%
RTU1-3-05	356	Griswold	0.75	Autoflow	1.70	2-32 psi	8.2	1.70	100%
RTU1-3-04	361	Griswold	1.00	Autoflow	3.20	2-32 psi	8.2	3.20	100%
RTU1-3-03	362	Griswold	0.75	Autoflow	0.60	2-32 psi	8.7	0.60	100%
RTU1-3-02	364	Griswold	0.75	Autoflow	0.60	2-32 psi	8.5	0.60	100%
RTU1-3-01	361	Griswold	0.75	Autoflow	1.00	2-32 psi	7.1	1.00	100%
RTU2-4-02	405	Griswold	0.75	Autoflow	2.10	2-32 psi	6.5	2.10	100%
RTU2-4-01	402	Griswold	0.75	Autoflow	2.00	2-32 psi	7.7	2.00	100%
RTU1-4-03	456	Griswold	0.75	Autoflow	1.20	2-32 psi	7	1.20	100%
RTU1-4-05	452	Griswold	0.75	Autoflow	0.60	2-32 psi	6.2	0.60	100%
RTU1-4-04	456	Griswold	0.75	Autoflow	0.60	2-32 psi	6.9	0.60	100%
RTU1-4-02	405	Griswold	1.00	Autoflow	3.50	2-32 psi	5.9	3.50	100%
RTU1-4-01	405	Griswold	0.75	Autoflow	1.30	2-32 psi	7.1	1.30	100%
RTU2-4-03	417	Griswold	1.00	Autoflow	3.50	2-32 psi	7.7	3.50	100%
RTU2-4-04	417	Griswold	0.75	Autoflow	1.70	2-32 psi	7	1.70	100%
RTU2-4-05	417	Griswold	0.75	Autoflow	0.60	2-32 psi	6.4	0.60	100%
RTU2-4-07	416	Griswold	0.75	Autoflow	2.20	2-32 psi	6.2	2.20	100%
RTU2-4-08	418	Griswold	0.75	Autoflow	0.70	2-32 psi	7.9	0.70	100%
RTU2-4-09	418	Griswold	0.75	Autoflow	0.60	2-32 psi	7.2	0.60	100%
RTU2-4-10	421	Griswold	0.75	Autoflow	1.70	2-32 psi	6.5	1.70	100%
RTU3-4-01	423	Griswold	0.75	Autoflow	0.60	2-32 psi	6.6	0.60	100%
RTU3-4-04	427	Griswold	0.75	Autoflow	1.70	2-32 psi	7.2	1.70	100%
RTU3-4-02	428	Griswold	0.75	Autoflow	0.60	2-32 psi	6.3	0.60	100%
RTU3-4-03	428	Griswold	0.75	Autoflow	1.70	2-32 psi	6.3	1.70	100%
RTU3-4-05	427	Griswold	0.75	Autoflow	0.60	2-32 psi	7.5	0.60	100%
RTU3-4-06	431	Griswold	0.75	Autoflow	2.60	2-32 psi	6.2	2.60	100%
RTU3-4-07	431	Griswold	0.75	Autoflow	1.30	2-32 psi	6.9	1.30	100%
RTU3-4-09	430	Griswold	0.75	Autoflow	0.60	2-32 psi	6.2	0.60	100%
RTU3-4-08	432	Griswold	0.75	Autoflow	1.70	2-32 psi	7.6	1.70	100%
RTU2-5-08	519	Griswold	0.75	Autoflow	2.60	2-32 psi	5.5	2.60	100%
RTU2-5-11	526	Griswold	0.75	Autoflow	2.40	2-32 psi	5.9	2.40	100%
RTU2-5-10	518	Griswold	0.75	Autoflow	0.60	2-32 psi	5.2	0.60	100%
RTU2-5-09	517	Griswold	0.75	Autoflow	2.30	2-32 psi	5.4	2.30	100%
				Total	50.40				

NOTES:

National TAB

Project: Greater Dayton School BP2
Address: Deeds Park Dr. Dayton, OH

Asset: CIRCUIT SETTERS **Service: HOT WATER**

Asset	Location	MFG	Size	Type	Design GPM	Setting	Delta P	Final GPM	% to Design
RTU2-5-12	520	Griswold	0.75	Autoflow	2.20	2-32 psi	6.1	2.20	100%
RTU3-5-01	525	Griswold	0.75	Autoflow	0.60	2-32 psi	5.9	0.60	100%
RTU3-5-02	529	Griswold	0.75	Autoflow	1.70	2-32 psi	5.8	1.70	100%
RTU3-5-03	534	Griswold	0.75	Autoflow	2.30	2-32 psi	5.9	2.30	100%
RTU3-5-04	529	Griswold	0.75	Autoflow	0.60	2-32 psi	4.8	0.60	100%
RTU3-5-07	532	Griswold	0.75	Autoflow	0.60	2-32 psi	5.2	0.60	100%
RTU3-5-06	533	Griswold	0.75	Autoflow	1.30	2-32 psi	4.5	1.30	100%
RTU3-5-05	533	Griswold	0.75	Autoflow	2.60	2-32 psi	5.1	2.60	100%
RTU3-5-08	532	Griswold	0.75	Autoflow	2.30	2-32 psi	5.6	2.30	100%
RTU2-5-07	505	Griswold	1.00	Autoflow	4.00	2-32 psi	5.4	4.00	100%
RTU2-5-06	505	Griswold	0.75	Autoflow	2.10	2-32 psi	4.7	2.10	100%
RTU2-5-05	553	Griswold	0.75	Autoflow	0.60	2-32 psi	5.1	0.60	100%
RTU2-5-04	553	Griswold	0.75	Autoflow	0.60	2-32 psi	6.2	0.60	100%
RTU2-5-03	553	Griswold	1.00	Autoflow	3.20	2-32 psi	5.3	3.20	100%
RTU2-5-02	553	Griswold	0.75	Autoflow	0.60	2-32 psi	5.4	0.60	100%
RTU2-5-01	553	Griswold	0.75	Autoflow	0.60	2-32 psi	4.7	0.60	100%
RTU1-5-04	560	Griswold	0.75	Autoflow	2.30	2-32 psi	5.4	2.30	100%
RTU1-5-03	560	Griswold	1.00	Autoflow	4.60	2-32 psi	5.5	4.60	100%
RTU1-5-02	560	Griswold	1.00	Autoflow	5.20	2-32 psi	4.2	5.20	100%
RTU1-5-01	560	Griswold	0.75	Autoflow	2.40	2-32 psi	4.8	2.40	100%
					40.40				