

# National TAB

Project: CW 2999 - UTSW (DALLAS, TX)



Comfort. Under control.

## VAV-Fan Powered Box

### FPB's/

Asset										
Asset Name	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FPB-3-01	ADDRESS	FPB-3S-29	12	1830	1849	610	591	1830	1905	1877
FPB-3-02	ADDRESS	FPB-3S-30	12	1830	1748	610	613	1830	1779	1603
FPB-3-03	ADDRESS	FPB-3S37	10	1220	1109	410	412	1220	1259	1110
FPB-3-04	ADDRESS	FPB-3N-43	12	1830	1789	610	612	1830	1859	1776
FPB-3-05	ADDRESS	FPB-3N-44	12	1830	1748	610	620	1830	1735	1759
FPB-3-06	ADDRESS	FPB-3N-50	8	510	509	170	168	510	527	759
FPB-3-07	ADDRESS	FPB-3N-51	6	380	390	130	124	250	274	450
FPB-3-08	ADDRESS	FPB-3N-08	12	1760	1701	670	659	1090	1106	1760
FPB-3-09	ADDRESS	FPB-3N-09	12	1880	1874	630	638	1250	1216	2263
FPB-3-10	ADDRESS	FP-3N-10	8	895	902	300	296	895	697	956
FPB-3-11	ADDRESS	FPB-3N-11	10	930	928	310	315	930	934	1961
FPB-3-12	ADDRESS	FPB-3N-13	8	770	769	260	263	770	830	638
FPB-3-13	ADDRESS	FPB-3N-15	10	1330	1297	450	453	1330	1218	1274
FPB-3-14	ADDRESS	FPB-3N-17	10	1010	962	340	341	1010	1081	1302
FPB-3-15	ADDRESS	FPB-3S-19	8	710	693	240	245	710	718	750
FPB-3-16	ADDRESS	FPB-3S-20	8	650	667	220	222	650	714	701
FPB-3-17	ADDRESS	FPB-3S-21	8	730	687	250	252	730	808	618
FPB-3-18	ADDRESS	FPB-3S-22	10	1260	1285	420	411	1260	1289	1229
FPB-3-19	ADDRESS	FPB-3S-23	10	1000	1010	340	345	1000	1073	1220
FPB-3-20	ADDRESS	FPB-3S-24	12	1890	1355	630	632	1890	1797	1600
FPB-3-21	ADDRESS	FPB-3N-52	10	1160	1155	390	410	770	741	1258
FPB-3-22	ADDRESS	FPB-3S-36	8	820	743	280	285	820	895	838

Asset	Notes
FPB-3-20	Traversing before the unit found that the CFM is 1772. Which is in tolerance as a total.

# National TAB

Project: CW 2999 - UTSW (DALLAS, TX)



Comfort. Under control.

## VAV-Fan Powered Box

### FPB's/

Asset										
Asset Name	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FPB-3-01	ADDRESS	FPB-3S-29	12	1830	1849	610	591	1830	1905	1877
FPB-3-02	ADDRESS	FPB-3S-30	12	1830	1748	610	613	1830	1779	1603
FPB-3-03	ADDRESS	FPB-3S37	10	1220	1109	410	412	1220	1259	1110
FPB-3-04	ADDRESS	FPB-3N-43	12	1830	1789	610	612	1830	1859	1776
FPB-3-05	ADDRESS	FPB-3N-44	12	1830	1748	610	620	1830	1735	1759
FPB-3-06	ADDRESS	FPB-3N-50	8	510	509	170	168	510	527	759
FPB-3-07	ADDRESS	FPB-3N-51	6	380	390	130	124	250	274	450
FPB-3-08	ADDRESS	FPB-3N-08	12	1760	1701	670	659	1090	1106	1760
FPB-3-09	ADDRESS	FPB-3N-09	12	1880	1874	630	638	1250	1216	2263
FPB-3-10	ADDRESS	FP-3N-10	8	895	902	300	296	895	697	956
FPB-3-11	ADDRESS	FPB-3N-11	10	930	928	310	315	930	934	1961
FPB-3-12	ADDRESS	FPB-3N-13	8	770	769	260	263	770	830	638
FPB-3-13	ADDRESS	FPB-3N-15	10	1330	1297	450	453	1330	1218	1274
FPB-3-14	ADDRESS	FPB-3N-17	10	1010	962	340	341	1010	1081	1302
FPB-3-15	ADDRESS	FPB-3S-19	8	710	693	240	245	710	718	750
FPB-3-16	ADDRESS	FPB-3S-20	8	650	667	220	222	650	714	701
FPB-3-17	ADDRESS	FPB-3S-21	8	730	687	250	252	730	808	618
FPB-3-18	ADDRESS	FPB-3S-22	10	1260	1285	420	411	1260	1289	1229
FPB-3-19	ADDRESS	FPB-3S-23	10	1000	1010	340	345	1000	1073	1220
FPB-3-20	ADDRESS	FPB-3S-24	12	1890	1355	630	632	1890	1797	1600
FPB-3-21	ADDRESS	FPB-3N-52	10	1160	1155	390	410	770	741	1258
FPB-3-22	ADDRESS	FPB-3S-36	8	820	743	280	285	820	895	838

Asset	Notes
FPB-3-20	Traversing before the unit found that the CFM is 1772. Which is in tolerance as a total.

# National TAB

Project: CW 2999 - UTSW (DALLAS, TX)



Comfort. Under control.

## VAV-Fan Powered Box

### FPB's/

Asset										
Asset Name	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FPB-3-01	ADDRESS	FPB-3S-29	12	1830	1849	610	591	1830	1905	1877
FPB-3-02	ADDRESS	FPB-3S-30	12	1830	1748	610	613	1830	1779	1603
FPB-3-03	ADDRESS	FPB-3S37	10	1220	1109	410	412	1220	1259	1110
FPB-3-04	ADDRESS	FPB-3N-43	12	1830	1789	610	612	1830	1859	1776
FPB-3-05	ADDRESS	FPB-3N-44	12	1830	1748	610	620	1830	1735	1759
FPB-3-06	ADDRESS	FPB-3N-50	8	510	509	170	168	510	527	759
FPB-3-07	ADDRESS	FPB-3N-51	6	380	390	130	124	250	274	450
FPB-3-08	ADDRESS	FPB-3N-08	12	1760	1701	670	659	1090	1106	1760
FPB-3-09	ADDRESS	FPB-3N-09	12	1880	1874	630	638	1250	1216	2263
FPB-3-10	ADDRESS	FP-3N-10	8	895	902	300	296	895	697	956
FPB-3-11	ADDRESS	FPB-3N-11	10	930	928	310	315	930	934	1961
FPB-3-12	ADDRESS	FPB-3N-13	8	770	769	260	263	770	830	638
FPB-3-13	ADDRESS	FPB-3N-15	10	1330	1297	450	453	1330	1218	1274
FPB-3-14	ADDRESS	FPB-3N-17	10	1010	962	340	341	1010	1081	1302
FPB-3-15	ADDRESS	FPB-3S-19	8	710	693	240	245	710	718	750
FPB-3-16	ADDRESS	FPB-3S-20	8	650	667	220	222	650	714	701
FPB-3-17	ADDRESS	FPB-3S-21	8	730	687	250	252	730	808	618
FPB-3-18	ADDRESS	FPB-3S-22	10	1260	1285	420	411	1260	1289	1229
FPB-3-19	ADDRESS	FPB-3S-23	10	1000	1010	340	345	1000	1073	1220
FPB-3-20	ADDRESS	FPB-3S-24	12	1890	1355	630	632	1890	1797	1600
FPB-3-21	ADDRESS	FPB-3N-52	10	1160	1155	390	410	770	741	1258
FPB-3-22	ADDRESS	FPB-3S-36	8	820	743	280	285	820	895	838

Asset	Notes
FPB-3-20	Traversing before the unit found that the CFM is 1772. Which is in tolerance as a total.

# National TAB

Project: CW 2999 - UTSW (DALLAS, TX)



Comfort. Under control.

## VAV - Single Duct

### VAV's/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Ak (max)	Design Heat CFM	Heat CFM
VAV-3-01	VAV-3N-38	8	500	499	500	499	964.7		
VRH-3-01	VHN-3N-48	8	685	557	220	218		450	447
VRH-3-02	VRH-3N-49	6	220	217	80	78		180	181
VRH-3-03	VRH-3N-53	6	200	196	70	71		180	178
VRH-3-04	VRH-3N-54	8	570	585	190	193		380	383
VRH-3-05	VRH-3N-06	6	300	293	100	98		200	201
VRH-3-06	VRH-3N-07	6	200	203	70	73		180	181
VRH-3-07	VRH-3N-05	6	220	226	80	81		180	183
VRH-3-08	VRH-3N-04	6	240	239	80	79		180	176
VRH-3-09	VHR-3N-12	8	360	355	120	122		240	243
VRH-3-10	VRH-3N-45	10	760	791	260	264		500	510
VRH-3-11	VRH-3N-14	6	200	199	70	71		180	178
VRH-3-12	VRH-3N-16	6	250	247	90	89		180	179
VRH-3-13	VRH-3N-41	6	240	249	70	72		180	184
VRH-3-14	VRH-3N-18	6	200	191	70	68		180	176
VRH-3-15	VRH-3S-33	8	410	425	140	145		270	278
VRH-3-16	VRH-3S-27	8	480	509	160	163		320	323
VRH-3-17	VRH-3S-26	6	280	285	100	106		190	193
VRH-3-18	VRH-3S-25	8	410	404	170	172		270	268
VRH-3-19	VRH-3S-28	8	490	494	170	174		320	321
VRH-3-20	VRH-3S-32	8	460	459	140	145		270	278
VRH-3-21	VRH-3S-34	8	590	591	200	202		390	387
VRH-3-22	VRH-3S-34	8	510	482	180	181		340	343
VRH-3-23	VRH-3S-35	10	880	858	300	289		580	573
VRH-3-24	VRH-3N-39	8	360	349	120	121		240	243
VRH-3-25	VRH-3N-40	6	230	231	80	82		180	178
VRH-3-26	VRH-3N-42	6	350	336	120	118		230	231
VRH-3-27	VRH-3N-46	8	500	513	170	173		330	337
VRH-3-28	VRH-3N-47	7	560	567	190	193		370	381

Asset	Notes
VRH-3-01	SA Duct leading up to the unit is 6" not 8". Then the duct transfers to about 3 feet of 8" flex duct before connecting to the unit.
VRH-3-28	Fully dampered diffuser 4 and 5 are still high and 1 is still low.

# National TAB

Project: CW 2999 - UTSW (DALLAS, TX)



Comfort. Under control.

## VAV - Single Duct

### VAV's/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Ak (max)	Design Heat CFM	Heat CFM
VAV-3-01	VAV-3N-38	8	500	499	500	499	964.7		
VRH-3-01	VHN-3N-48	8	685	557	220	218		450	447
VRH-3-02	VRH-3N-49	6	220	217	80	78		180	181
VRH-3-03	VRH-3N-53	6	200	196	70	71		180	178
VRH-3-04	VRH-3N-54	8	570	585	190	193		380	383
VRH-3-05	VRH-3N-06	6	300	293	100	98		200	201
VRH-3-06	VRH-3N-07	6	200	203	70	73		180	181
VRH-3-07	VRH-3N-05	6	220	226	80	81		180	183
VRH-3-08	VRH-3N-04	6	240	239	80	79		180	176
VRH-3-09	VHR-3N-12	8	360	355	120	122		240	243
VRH-3-10	VRH-3N-45	10	760	791	260	264		500	510
VRH-3-11	VRH-3N-14	6	200	199	70	71		180	178
VRH-3-12	VRH-3N-16	6	250	247	90	89		180	179
VRH-3-13	VRH-3N-41	6	240	249	70	72		180	184
VRH-3-14	VRH-3N-18	6	200	191	70	68		180	176
VRH-3-15	VRH-3S-33	8	410	425	140	145		270	278
VRH-3-16	VRH-3S-27	8	480	509	160	163		320	323
VRH-3-17	VRH-3S-26	6	280	285	100	106		190	193
VRH-3-18	VRH-3S-25	8	410	404	170	172		270	268
VRH-3-19	VRH-3S-28	8	490	494	170	174		320	321
VRH-3-20	VRH-3S-32	8	460	459	140	145		270	278
VRH-3-21	VRH-3S-34	8	590	591	200	202		390	387
VRH-3-22	VRH-3S-34	8	510	482	180	181		340	343
VRH-3-23	VRH-3S-35	10	880	858	300	289		580	573
VRH-3-24	VRH-3N-39	8	360	349	120	121		240	243
VRH-3-25	VRH-3N-40	6	230	231	80	82		180	178
VRH-3-26	VRH-3N-42	6	350	336	120	118		230	231
VRH-3-27	VRH-3N-46	8	500	513	170	173		330	337
VRH-3-28	VRH-3N-47	7	560	567	190	193		370	381

Asset	Notes
VRH-3-01	SA Duct leading up to the unit is 6" not 8". Then the duct transfers to about 3 feet of 8" flex duct before connecting to the unit.
VRH-3-28	Fully dampered diffuser 4 and 5 are still high and 1 is still low.

# National TAB

Project: CW 2999 - UTSW (DALLAS, TX)  
System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF-11-1

AREA:313

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	
Type	-	CRE UTILITY UP

Test Data		
	Design	Actual
CFM	10000	
Fan RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	1.5	
Brake Horse Power	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	7.5	
Motor Rpm	-	
Phase	3	
Voltage (rated)	480	
Amperage (rated)	-	
Service Factor	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Completed By: Michael Gabbert

Notes:

# National TAB

Project: CW 2999 - UTSW (DALLAS, TX)

## FAN - Exhaust



Comfort. Under control.

**Diffuser Ret/Exh (GRD)**

**EF-11-1/313**

Asset									
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design	Location
E11-1-2	E1		160		168		168	105.0	
E11-1-2	E2		130		59		59	45.4	
E11-1-2	E2		90		34		34	37.8	
E11-1-4	E2		80		43		43	53.8	
E11-1-5	E2		150		18		18	12.0	
E11-1-6	E2		100		59		59	59.0	
E11-1-7	E2		110		42		42	38.2	
E11-1-8	E2		50		83	46	83	166.0	
E11-1-9	E2		90		77		77	85.6	
E11-1-10	E2		120		46		46	38.3	
E11-1-11	E2		100		63		63	63.0	
E11-1-12	E2		150		46		46	30.7	
E11-1-13	E2		100		11		11	11.0	
E11-1-14	E2		110		13		13	11.8	
E11-1-15	E2		110		41		41	37.3	
E11-1-16									
E11-1-17									

Completed By: Michael Gabbert on