Phoenix Controls

Accel II Airflow Control Valves

MEDIUM PRESSURE SHUT-OFF RADIATED

Sound Power Level Data

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Phoenix Controls
Accel II Airflow Control Valves

Medium Pressure Low Leakage Shut Off Valves
Radiated Sound Power Level Performance Data
Size 108

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	0.60	150	20	10	17	20	14	6
100	45	170	0.60	150	32	22	27	28	23	16
150	70	250	0.60	150	38	30	32	33	28	21
200	95	340	0.60	150	44	35	37	36	32	25
250	120	420	0.60	150	48	39	40	39	35	28
300	140	510	0.60	150	51	43	42	41	38	31
350	160	590	0.60	150	54	46	45	43	40	32
400	190	680	0.60	150	56	47	46	45	41	34
450	210	760	0.60	150	59	50	48	47	42	35
500	230	850	0.60	150	60	52	50	49	44	36
550	255	925	0.60	150	62	54	52	51	45	37
600	280	1000	0.60	150	64	56	53	52	47	39
50	25	85	1.00	250	22	14	21	25	19	12
100	45	170	1.00	250	34	26	31	32	28	22
150	70	250	1.00	250	41	33	37	37	33	27
200	95	340	1.00	250	46	39	41	40	37	31
250	120	420	1.00	250	50	43	44	43	40	35
300	140	510	1.00	250	53	47	46	45	43	37
350	160	590	1.00	250	56	49	49	47	45	38
400	190	680	1.00	250	58	51	50	49	46	39
450	210	760	1.00	250	61	53	52	51	47	40
500	230	850	1.00	250	62	55	54	53	48	41
550	255	925	1.00	250	64	57	55	54	50	42
600	280	1000	1.00	250	66	60	57	56	51	44
50	25	85	1.50	375	24	17	24	28	23	17
100	45	170	1.50	375	35	29	34	36	32	27
150	70	250	1.50	375	42	36	40	41	37	32
200	95	340	1.50	375	48	42	44	44	41	36
250	120	420	1.50	375	52	46	47	47	45	39
300	140	510	1.50	375	55	50	50	49	47	42
350	160	590	1.50	375	57	52	52	50	49	43
400	190	680	1.50	375	59	54	53	52	49	44
450	210	760	1.50	375	62	56	55	54	51	45
500	230	850	1.50	375	64	58	57	56	52	45
550	255	925	1.50	375	65	60	58	57	53	46
600	280	1000	1.50	375	67	62	60	59	55	48
50	25	85	2.00	500	25	19	26	31	26	21
100	45	170	2.00	500	36	31	36	39	35	30
150	70	250	2.00	500	44	39	42	44	40	36
200	95	340	2.00	500	49	44	46	46	44	40
250	120	420	2.00	500	53	49	49	49	48	43
300	140	510	2.00	500	56	52	52	51	50	45
350	160	590	2.00	500	58	54	54	52	51	46
400	190	680	2.00	500	61	56	56	54	52	47
450	210	760	2.00	500	63	58	57	56	53	48
500	230	850	2.00	500	65	60	59	58	54	48
550	255	925	2.00	500	66	62	60	59	56	49
600	280	1000	2.00	500	68	64	62	61	57	50

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	2.50	625	26	20	28	33	28	23
100	45	170	2.50	625	37	33	38	41	37	33
150	70	250	2.50	625	44	40	44	46	42	38
200	95	340	2.50	625	50	46	48	48	46	42
250	120	420	2.50	625	54	50	51	51	50	46
300	140	510	2.50	625	57	54	54	53	52	48
350	160	590	2.50	625	59	56	56	54	54	49
400	190	680	2.50	625	61	57	57	56	54	49
450	210	760	2.50	625	64	59	59	58	55	50
500	230	850	2.50	625	65	61	60	60	56	51
550	255	925	2.50	625	67	63	62	61	58	51
600	280	1000	2.50	625	69	66	64	62	59	52
50	25	85	3.00	750	26	22	30	35	30	26
100	45	170	3.00	750	38	34	39	43	39	35
150	70	250	3.00	750	45	42	45	47	44	41
200	95	340	3.00	750	50	47	49	50	48	45
250	120	420	3.00	750	54	52	53	52	52	48
300	140	510	3.00	750	57	55	55	54	54	50
350	160	590	3.00	750	60	57	57	56	55	51
400	190	680	3.00	750	62	59	59	58	56	51
450	210	760	3.00	750	64	60	60	60	57	52
500	230	850	3.00	750	66	62	62	61	58	53
550	255	925	3.00	750	68	65	63	63	59	53
600	280	1000	3.00	750	69	67	65	64	60	54
50	25	85	3.50	875	27	23	31	37	31	27
100	45	170	3.50	875	39	35	40	44	40	37
150	70	250	3.50	875	46	43	46	49	46	42
200	95	340	3.50	875	51	48	51	51	50	46
250	120	420	3.50	875	55	53	54	54	53	50
300	140	510	3.50	875	58	56	56	56	56	52
350	160	590	3.50	875	60	59	59	57	57	53
400	190	680	3.50	875	63	60	60	59	58	53
450	210	760	3.50	875	65	61	61	61	58	54
500	230	850	3.50	875	67	63	63	63	59	54
550	255	925	3.50	875	68	66	64	64	60	55
600	280	1000	3.50	875	70	68	66	65	62	55
50	25	85	4.00	1000	27	24	32	38	33	29
100	45	170	4.00	1000	39	36	42	45	42	38
150	70	250	4.00	1000	46	44	48	50	47	44
200	95	340	4.00	1000	51	49	52	53	51	48
250	120	420	4.00	1000	55	54	55	55	55	51
300	140	510	4.00	1000	58	57	57	57	57	54
350	160	590	4.00	1000	61	60	60	58	58	54
400	190	680	4.00	1000	63	61	61	60	59	55
450	210	760	4.00	1000	66	62	62	62	60	55
500	230	850	4.00	1000	67	64	64	64	61	55
550	255	925	4.00	1000	69	67	65	65	62	56
600	280	1000	4.00	1000	70	69	67	66	63	57

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130**, *Methods of Testing Air Terminal Units*
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted througn the valve body.

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Phoenix Controls
Accel II Airflow Control Valves

Medium Pressure Low Leakage Shut Off Valves
Radiated Sound Power Level Performance Data
Size 110

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
100	47	170	0.60	150	22	32	33	31	27	19
150	71	255	0.60	150	30	34	34	35	31	23
200	94	340	0.60	150	36	38	36	37	34	27
250	118	425	0.60	150	40	40	37	39	36	29
300	142	510	0.60	150	44	43	39	42	38	31
350	165	595	0.60	150	48	45	42	44	40	32
400	189	680	0.60	150	51	47	43	46	41	34
450	212	765	0.60	150	53	48	43	47	42	35
500	236	850	0.60	150	54	49	44	48	43	36
550	260	934	0.60	150	56	49	44	49	44	37
600	283	1019	0.60	150	58	51	45	50	45	38
650	307	1104	0.60	150	59	51	45	51	46	39
700	330	1189	0.60	150	61	52	46	52	46	40
750	354	1274	0.60	150	62	53	46	52	47	41
800	378	1359	0.60	150	64	54	46	53	47	41
850	401	1444	0.60	150	65	55	47	53	48	41
100	47	170	1.00	250	26	36	37	37	33	25
150	71	255	1.00	250	34	38	38	41	37	30
200	94	340	1.00	250	39	42	40	42	40	33
250	118	425	1.00	250	44	44	42	44	42	35
300	142	510	1.00	250	48	47	44	48	44	37
350	165	595	1.00	250	51	50	47	50	45	39
400	189	680	1.00	250	54	51	48	51	47	40
450	212	765	1.00	250	56	52	48	53	48	42
500	236	850	1.00	250	57	53	49	54	49	42
550	260	934	1.00	250	59	54	49	55	50	43
600	283	1019	1.00	250	60	55	50	55	51	44
650	307	1104	1.00	250	62	55	50	56	51	45
700	330	1189	1.00	250	63	56	50	57	52	46
750	354	1274	1.00	250	64	57	51	58	52	46
800	378	1359	1.00	250	65	58	51	58	53	47
850	401	1444	1.00	250	65	59	51	58	53	47
100	47	170	1.50	375	29	39	41	41	38	30
150	71	255	1.50	375	37	41	42	45	42	35
200	94	340	1.50	375	42	45	44	47	45	38
250	118	425	1.50	375	46	47	45	49	46	40
300	142	510	1.50	375	50	51	48	52	48	42
350	165	595	1.50	375	53	53	51	54	50	44
400	189	680	1.50	375	56	55	51	56	52	45
450	212	765	1.50	375	58	56	52	57	53	47
500	236	850	1.50	375	59	56	53	58	53	47
550	260	934	1.50	375	61	57	53	59	54	48
600	283	1019	1.50	375	62	58	54	60	55	49
650	307	1104	1.50	375	63	59	54	60	56	49
700	330	1189	1.50	375	64	59	54	61	56	50
750	354	1274	1.50	375	65	60	55	62	57	51
800	378	1359	1.50	375	66	61	55	62	57	51
850	401	1444	1.50	375	66	62	55	62	57	51
100	47	170	2.00	500	31	42	44	44	41	33
150	71	255	2.00	500	39	44	45	48	45	38
200	94	340	2.00	500	44	47	46	50	48	42
250	118	425	2.00	500	48	50	48	52	50	44
300	142	510	2.00	500	52	53	51	55	51	46
350	165	595	2.00	500	55	56	54	58	53	47
400	189	680	2.00	500	58	57	54	59	55	49
450	212	765	2.00	500	60	58	55	60	56	50
500	236	850	2.00	500	61	59	55	61	57	51
550	260	934	2.00	500	62	59	56	62	57	51
600	283	1019	2.00	500	64	61	56	63	58	52
650	307	1104	2.00	500	65	61	57	63	59	53
700	330	1189	2.00	500	65	61	57	64	59	53
750	354	1274	2.00	500	66	62	58	65	60	54
800	378	1359	2.00	500	67	63	58	65	60	54
850	401	1444	2.00	500	67	64	58	65	60	54

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
100	47	170	2.50	625	33	43	46	47	43	36
150	71	255	2.50	625	41	45	47	51	48	41
200	94	340	2.50	625	46	49	48	52	51	44
250	118	425	2.50	625	50	51	50	54	52	47
300	142	510	2.50	625	54	55	53	58	54	48
350	165	595	2.50	625	57	58	56	60	56	50
400	189	680	2.50	625	60	59	56	61	58	51
450	212	765	2.50	625	61	60	57	63	58	53
500	236	850	2.50	625	62	61	58	64	59	53
550	260	934	2.50	625	63	61	58	65	60	54
600	283	1019	2.50	625	65	63	59	65	61	55
650	307	1104	2.50	625	66	63	59	66	61	55
700	330	1189	2.50	625	66	63	59	66	61	56
750	354	1274	2.50	625	67	64	60	67	62	56
800	378	1359	2.50	625	67	65	60	68	62	57
850	401	1444	2.50	625	68	66	60	68	63	57
100	47	170	3.00	750	34	45	48	49	46	38
150	71	255	3.00	750	42	47	48	53	50	43
200	94	340	3.00	750	47	50	50	54	53	47
250	118	425	3.00	750	51	53	52	56	54	49
300	142	510	3.00	750	55	57	55	60	56	51
350	165	595	3.00	750	58	59	58	62	58	52
400	189	680	3.00	750	61	61	58	63	60	54
450	212	765	3.00	750	62	62	59	65	60	55
500	236	850	3.00	750	63	62	59	66	61	55
550	260	934	3.00	750	64	63	60	67	62	56
600	283	1019	3.00	750	66	64	60	67	63	57
650	307	1104	3.00	750	67	64	61	68	63	57
700	330	1189	3.00	750	67	65	61	68	63	58
750	354	1274	3.00	750	68	66	62	69	64	58
800	378	1359	3.00	750	68	66	62	69	64	59
850	401	1444	3.00	750	68	67	62	69	64	59
100	47	170	3.50	875	35	46	49	50	47	40
150	71	255	3.50	875	43	48	50	54	52	45
200	94	340	3.50	875	49	52	52	56	55	49
250	118	425	3.50	875	53	54	53	58	56	51
300	142	510	3.50	875	57	58	56	61	58	53
350	165	595	3.50	875	59	61	59	64	60	54
400	189	680	3.50	875	62	62	60	65	62	55
450	212	765	3.50	875	63	63	60	66	62	57
500	236	850	3.50	875	64	64	61	68	63	57
550	260	934	3.50	875	65	64	61	68	64	58
600	283	1019	3.50	875	67	66	62	69	64	58
650	307	1104	3.50	875	68	66	62	69	65	59
700	330	1189	3.50	875	68	66	63	70	65	60
750	354	1274	3.50	875	68	67	63	70	66	60
800	378	1359	3.50	875	69	68	63	71	66	60
850	401	1444	3.50	875	69	69	64	71	66	60
100	47	170	4.00	1000	36	47	50	52	49	42
150	71	255	4.00	1000	44	49	51	56	53	47
200	94	340	4.00	1000	50	53	53	57	56	50
250	118	425	4.00	1000	54	55	54	60	57	52
300	142	510	4.00	1000	57	59	57	63	59	54
350	165	595	4.00	1000	60	62	60	65	61	56
400	189	680	4.00	1000	63	63	61	67	63	57
450	212	765	4.00	1000	64	64	62	68	64	58
500	236	850	4.00	1000	65	65	62	69	64	59
550	260	934	4.00	1000	66	65	63	70	65	59
600	283	1019	4.00	1000	67	67	63	70	66	60
650	307	1104	4.00	1000	69	67	64	71	66	61
700	330	1189	4.00	1000	68	67	64	71	67	61
750	354	1274	4.00	1000	69	68	64	72	67	61
800	378	1359	4.00	1000	69	69	65	72	67	62
850	401	1444	4.00	1000	70	70	65	72	67	62

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130**, *Methods of Testing Air Terminal Units*
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted througn the valve body.

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Phoenix Controls
Accel II Airflow Control Valves

Medium Pressure Low Leakage Shut Off Valves
Radiated Sound Power Level Performance Data
Size 112

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	0.60	150	38	35	37	38	33	21
300	142	510	0.60	150	44	40	40	41	36	26
400	189	680	0.60	150	48	44	42	44	38	29
500	236	850	0.60	150	51	47	45	46	40	32
600	283	1019	0.60	150	53	49	46	48	42	34
700	330	1189	0.60	150	56	51	47	49	43	36
800	378	1359	0.60	150	58	53	49	50	44	37
900	425	1529	0.60	150	59	53	49	51	45	38
1000	472	1699	0.60	150	60	54	50	52	46	39
1100	519	1869	0.60	150	61	56	51	52	47	40
1200	566	2039	0.60	150	62	56	51	53	48	41
1300	614	2209	0.60	150	64	58	52	53	48	42
200	94	340	1.00	250	41	39	41	43	39	28
300	142	510	1.00	250	47	44	45	46	42	32
400	189	680	1.00	250	51	48	47	49	44	35
500	236	850	1.00	250	54	51	50	51	46	38
600	283	1019	1.00	250	57	53	51	53	48	40
700	330	1189	1.00	250	59	55	52	54	49	42
800	378	1359	1.00	250	61	57	53	55	50	43
900	425	1529	1.00	250	62	57	54	56	51	44
1000	472	1699	1.00	250	63	58	55	57	52	45
1100	519	1869	1.00	250	64	59	55	57	53	46
1200	566	2039	1.00	250	65	60	56	58	53	46
1300	614	2209	1.00	250	67	61	56	59	54	47
200	94	340	1.50	375	44	43	45	47	43	33
300	142	510	1.50	375	50	48	49	51	46	37
400	189	680	1.50	375	54	51	51	53	48	40
500	236	850	1.50	375	57	54	53	56	50	43
600	283	1019	1.50	375	59	57	54	57	52	45
700	330	1189	1.50	375	62	59	56	59	53	47
800	378	1359	1.50	375	64	60	57	60	54	48
900	425	1529	1.50	375	65	61	58	60	55	49
1000	472	1699	1.50	375	65	62	58	61	56	50
1100	519	1869	1.50	375	66	63	59	62	57	50
1200	566	2039	1.50	375	68	63	60	62	57	51
1300	614	2209	1.50	375	69	64	60	63	58	52
200	94	340	2.00	500	46	45	47	50	47	36
300	142	510	2.00	500	52	50	51	54	49	41
400	189	680	2.00	500	56	54	53	56	51	44
500	236	850	2.00	500	59	57	56	58	53	47
600	283	1019	2.00	500	61	59	57	60	55	49
700	330	1189	2.00	500	64	61	59	62	56	51
800	378	1359	2.00	500	65	63	60	63	57	51
900	425	1529	2.00	500	66	63	60	63	58	52
1000	472	1699	2.00	500	67	64	61	64	59	53
1100	519	1869	2.00	500	68	65	62	65	60	54
1200	566	2039	2.00	500	70	65	62	65	61	54
1300	614	2209	2.00	500	71	66	63	66	61	55

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	2.50	625	47	47	49	52	49	39
300	142	510	2.50	625	53	52	53	56	52	44
400	189	680	2.50	625	57	56	55	58	54	47
500	236	850	2.50	625	60	59	58	61	56	50
600	283	1019	2.50	625	63	61	59	62	58	52
700	330	1189	2.50	625	65	63	61	64	59	54
800	378	1359	2.50	625	67	65	62	65	60	54
900	425	1529	2.50	625	68	65	63	66	61	55
1000	472	1699	2.50	625	69	66	63	67	62	56
1100	519	1869	2.50	625	70	66	64	67	62	56
1200	566	2039	2.50	625	71	67	64	68	63	57
1300	614	2209	2.50	625	72	67	65	68	64	58
200	94	340	3.00	750	49	49	51	54	51	41
300	142	510	3.00	750	54	54	55	58	54	46
400	189	680	3.00	750	58	57	57	60	56	49
500	236	850	3.00	750	62	60	60	63	58	52
600	283	1019	3.00	750	64	62	61	64	60	54
700	330	1189	3.00	750	66	64	62	66	61	56
800	378	1359	3.00	750	68	66	64	67	62	56
900	425	1529	3.00	750	69	66	64	68	63	57
1000	472	1699	3.00	750	70	67	65	68	63	58
1100	519	1869	3.00	750	71	68	66	69	64	59
1200	566	2039	3.00	750	72	68	66	69	65	59
1300	614	2209	3.00	750	73	69	67	70	66	60
200	94	340	3.50	875	50	50	52	56	53	43
300	142	510	3.50	875	55	55	56	59	56	48
400	189	680	3.50	875	59	59	58	62	57	51
500	236	850	3.50	875	63	62	61	64	59	54
600	283	1019	3.50	875	65	64	62	66	61	56
700	330	1189	3.50	875	67	66	64	67	62	58
800	378	1359	3.50	875	69	67	65	68	63	58
900	425	1529	3.50	875	70	68	66	69	64	59
1000	472	1699	3.50	875	71	68	66	70	65	60
1100	519	1869	3.50	875	72	69	67	70	66	60
1200	566	2039	3.50	875	73	69	68	71	67	61
1300	614	2209	3.50	875	74	70	68	72	67	61
200	94	340	4.00	1000	50	51	53	57	54	45
300	142	510	4.00	1000	56	56	57	61	57	49
400	189	680	4.00	1000	60	60	60	63	59	53
500	236	850	4.00	1000	63	63	62	66	61	55
600	283	1019	4.00	1000	66	65	63	67	63	58
700	330	1189	4.00	1000	68	67	65	69	64	59
800	378	1359	4.00	1000	70	69	66	70	65	60
900	425	1529	4.00	1000	71	69	67	71	66	61
1000	472	1699	4.00	1000	71	69	68	71	67	61
1100	519	1869	4.00	1000	72	70	68	72	67	62
1200	566	2039	4.00	1000	74	70	69	72	68	62
1300	614	2209	4.00	1000	75	71	69	73	69	63

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130**, *Methods of Testing Air Terminal Units*
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted througn the valve body.

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Phoenix Controls
Accel II Airflow Control Valves

Medium Pressure Low Leakage Shut Off Valves
Radiated Sound Power Level Performance Data
Size 114

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	0.60	150	28	6	32	31	23	28
300	142	510	0.60	150	34	12	34	33	27	30
400	189	680	0.60	150	39	18	36	35	31	32
500	236	850	0.60	150	43	22	37	37	33	34
600	283	1019	0.60	150	46	26	38	38	36	35
700	330	1189	0.60	150	48	30	40	40	38	36
800	378	1359	0.60	150	51	33	41	41	40	37
900	425	1529	0.60	150	53	36	42	42	41	38
1000	472	1699	0.60	150	55	39	43	43	43	38
1100	519	1869	0.60	150	57	41	44	44	44	39
1200	566	2039	0.60	150	59	43	45	44	44	39
1300	614	2209	0.60	150	60	45	46	45	45	39
1400	661	2379	0.60	150	62	47	47	45	45	39
1500	708	2549	0.60	150	62	48	47	46	46	39
1600	755	2718	0.60	150	63	49	48	46	46	40
200	94	340	1.00	250	32	13	37	36	29	34
300	142	510	1.00	250	38	19	39	39	33	36
400	189	680	1.00	250	43	25	40	41	37	39
500	236	850	1.00	250	46	29	42	42	39	40
600	283	1019	1.00	250	49	33	43	44	42	41
700	330	1189	1.00	250	52	36	44	45	44	42
800	378	1359	1.00	250	54	39	46	46	46	43
900	425	1529	1.00	250	57	42	47	48	47	44
1000	472	1699	1.00	250	59	44	48	49	49	45
1100	519	1869	1.00	250	61	47	49	49	50	45
1200	566	2039	1.00	250	63	49	50	50	50	45
1300	614	2209	1.00	250	64	51	51	50	51	45
1400	661	2379	1.00	250	65	52	51	51	51	45
1500	708	2549	1.00	250	66	54	52	51	52	46
1600	755	2718	1.00	250	67	55	53	51	52	46
200	94	340	1.50	375	34	19	40	40	33	39
300	142	510	1.50	375	40	25	42	43	37	41
400	189	680	1.50	375	46	31	44	45	42	44
500	236	850	1.50	375	49	35	46	47	44	45
600	283	1019	1.50	375	52	39	47	48	47	46
700	330	1189	1.50	375	54	42	48	49	49	47
800	378	1359	1.50	375	57	44	49	51	51	48
900	425	1529	1.50	375	59	47	51	52	52	49
1000	472	1699	1.50	375	62	49	52	53	53	50
1100	519	1869	1.50	375	64	52	53	54	54	50
1200	566	2039	1.50	375	66	54	54	54	55	50
1300	614	2209	1.50	375	67	55	54	55	55	50
1400	661	2379	1.50	375	68	57	55	55	56	50
1500	708	2549	1.50	375	69	58	56	55	56	50
1600	755	2718	1.50	375	70	59	56	56	57	51
200	94	340	2.00	500	36	23	43	43	37	43
300	142	510	2.00	500	42	30	45	46	41	45
400	189	680	2.00	500	48	35	47	48	45	47
500	236	850	2.00	500	51	39	48	50	47	48
600	283	1019	2.00	500	54	43	50	51	50	50
700	330	1189	2.00	500	56	46	51	52	52	51
800	378	1359	2.00	500	59	48	52	54	54	52
900	425	1529	2.00	500	61	51	53	55	55	52
1000	472	1699	2.00	500	64	53	55	56	57	53
1100	519	1869	2.00	500	66	55	56	57	58	54
1200	566	2039	2.00	500	68	57	56	57	58	54
1300	614	2209	2.00	500	69	59	57	58	59	54
1400	661	2379	2.00	500	71	60	58	58	59	54
1500	708	2549	2.00	500	71	61	59	59	60	54
1600	755	2718	2.00	500	72	62	59	59	60	54

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	2.50	625	38	27	45	45	39	45
300	142	510	2.50	625	44	33	47	48	43	47
400	189	680	2.50	625	49	39	49	50	47	50
500	236	850	2.50	625	52	43	50	52	50	51
600	283	1019	2.50	625	55	46	52	53	53	52
700	330	1189	2.50	625	58	49	53	55	55	53
800	378	1359	2.50	625	60	51	54	56	57	54
900	425	1529	2.50	625	63	54	56	57	58	55
1000	472	1699	2.50	625	65	56	57	58	59	56
1100	519	1869	2.50	625	67	58	58	59	60	56
1200	566	2039	2.50	625	69	60	59	60	61	56
1300	614	2209	2.50	625	71	61	59	60	61	56
1400	661	2379	2.50	625	72	63	60	61	62	56
1500	708	2549	2.50	625	73	64	61	61	62	57
1600	755	2718	2.50	625	74	65	61	61	63	57
200	94	340	3.00	750	39	29	47	47	41	48
300	142	510	3.00	750	45	36	49	50	45	50
400	189	680	3.00	750	50	41	51	52	50	52
500	236	850	3.00	750	54	45	52	54	52	53
600	283	1019	3.00	750	57	49	54	55	55	55
700	330	1189	3.00	750	59	51	55	57	57	56
800	378	1359	3.00	750	62	54	56	58	59	57
900	425	1529	3.00	750	64	56	57	59	60	57
1000	472	1699	3.00	750	67	59	59	60	61	58
1100	519	1869	3.00	750	69	60	60	61	63	58
1200	566	2039	3.00	750	70	62	60	62	63	59
1300	614	2209	3.00	750	72	63	61	62	63	59
1400	661	2379	3.00	750	74	65	62	63	64	59
1500	708	2549	3.00	750	75	66	62	63	64	59
1600	755	2718	3.00	750	75	67	63	63	65	59
200	94	340	3.50	875	40	32	48	49	43	50
300	142	510	3.50	875	46	38	50	52	47	52
400	189	680	3.50	875	51	44	52	54	51	54
500	236	850	3.50	875	55	47	54	55	54	55
600	283	1019	3.50	875	58	51	55	57	57	57
700	330	1189	3.50	875	60	54	56	58	59	58
800	378	1359	3.50	875	63	56	58	60	60	58
900	425	1529	3.50	875	65	58	59	61	62	59
1000	472	1699	3.50	875	68	60	60	62	63	60
1100	519	1869	3.50	875	70	62	61	63	64	60
1200	566	2039	3.50	875	72	63	62	63	65	60
1300	614	2209	3.50	875	73	65	63	64	65	60
1400	661	2379	3.50	875	75	66	63	64	66	60
1500	708	2549	3.50	875	76	67	64	65	66	61
1600	755	2718	3.50	875	77	69	65	65	67	61
200	94	340	4.00	1000	41	34	50	50	45	51
300	142	510	4.00	1000	47	40	52	53	49	53
400	189	680	4.00	1000	52	46	53	55	53	55
500	236	850	4.00	1000	55	49	55	57	56	57
600	283	1019	4.00	1000	58	53	56	58	58	58
700	330	1189	4.00	1000	61	56	58	60	60	59
800	378	1359	4.00	1000	63	58	59	61	62	60
900	425	1529	4.00	1000	66	60	60	62	63	61
1000	472	1699	4.00	1000	69	62	61	63	65	61
1100	519	1869	4.00	1000	71	63	62	64	66	62
1200	566	2039	4.00	1000	72	65	63	65	66	62
1300	614	2209	4.00	1000	74	66	64	65	67	62
1400	661	2379	4.00	1000	76	68	65	66	67	62
1500	708	2549	4.00	1000	77	69	65	66	68	62
1600	755	2718	4.00	1000	78	70	66	66	68	63

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130**, *Methods of Testing Air Terminal Units*
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted througn the valve body.

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Phoenix Controls
Accel II Airflow Control Valves

Medium Pressure Low Leakage Shut Off Valves
Radiated Sound Power Level Performance Data
Size 210

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	0.60	150	37	37	29	37	31	19
300	142	510	0.60	150	42	40	33	42	35	24
400	189	680	0.60	150	44	43	36	45	38	27
500	236	850	0.60	150	47	45	38	46	40	29
600	283	1019	0.60	150	49	47	40	48	41	31
700	330	1189	0.60	150	51	48	42	50	43	33
800	378	1359	0.60	150	51	49	43	51	45	35
900	425	1529	0.60	150	53	50	44	52	46	36
1000	472	1699	0.60	150	55	51	45	53	47	38
1100	519	1869	0.60	150	55	52	46	53	47	38
1200	566	2039	0.60	150	56	53	47	54	48	39
1300	614	2209	0.60	150	57	54	48	55	49	40
1400	661	2379	0.60	150	58	54	49	56	50	41
1500	708	2549	0.60	150	59	55	49	56	50	41
1600	755	2718	0.60	150	60	55	50	57	51	42
1700	802	2888	0.60	150	60	56	51	57	52	43
200	94	340	1.00	250	41	42	35	43	36	25
300	142	510	1.00	250	45	45	38	47	41	30
400	189	680	1.00	250	48	48	41	50	43	34
500	236	850	1.00	250	51	50	44	52	45	36
600	283	1019	1.00	250	53	52	46	53	47	38
700	330	1189	1.00	250	54	53	47	55	49	40
800	378	1359	1.00	250	54	54	49	56	50	42
900	425	1529	1.00	250	56	55	50	57	51	43
1000	472	1699	1.00	250	58	56	51	58	52	44
1100	519	1869	1.00	250	59	57	52	59	53	44
1200	566	2039	1.00	250	59	58	53	59	54	45
1300	614	2209	1.00	250	60	58	53	60	54	46
1400	661	2379	1.00	250	61	59	54	61	55	47
1500	708	2549	1.00	250	62	60	54	61	56	47
1600	755	2718	1.00	250	63	60	55	62	56	48
1700	802	2888	1.00	250	63	61	56	62	57	49
200	94	340	1.50	375	44	45	39	47	41	30
300	142	510	1.50	375	48	49	43	51	45	35
400	189	680	1.50	375	51	52	46	54	48	39
500	236	850	1.50	375	54	54	49	56	50	41
600	283	1019	1.50	375	56	55	50	58	52	43
700	330	1189	1.50	375	57	57	52	59	53	45
800	378	1359	1.50	375	57	58	53	60	55	47
900	425	1529	1.50	375	59	59	54	61	56	48
1000	472	1699	1.50	375	61	59	55	62	57	49
1100	519	1869	1.50	375	61	61	56	63	57	49
1200	566	2039	1.50	375	62	62	57	64	58	50
1300	614	2209	1.50	375	63	62	57	64	59	51
1400	661	2379	1.50	375	64	63	58	65	59	51
1500	708	2549	1.50	375	65	63	58	65	60	52
1600	755	2718	1.50	375	65	64	59	66	60	52
1700	802	2888	1.50	375	66	64	60	67	61	53
200	94	340	2.00	500	46	48	42	50	44	34
300	142	510	2.00	500	50	52	46	54	48	39
400	189	680	2.00	500	53	54	49	57	51	42
500	236	850	2.00	500	56	56	52	59	53	45
600	283	1019	2.00	500	58	58	53	61	55	46
700	330	1189	2.00	500	59	60	55	62	57	48
800	378	1359	2.00	500	59	60	56	63	58	50
900	425	1529	2.00	500	61	61	57	64	59	51
1000	472	1699	2.00	500	63	62	58	65	60	52
1100	519	1869	2.00	500	63	64	59	66	61	53
1200	566	2039	2.00	500	64	64	60	67	61	53
1300	614	2209	2.00	500	65	65	61	67	62	54
1400	661	2379	2.00	500	65	66	61	68	62	54
1500	708	2549	2.00	500	67	66	61	68	63	55
1600	755	2718	2.00	500	67	67	62	69	63	55
1700	802	2888	2.00	500	68	67	63	69	64	56

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	2.50	625	47	50	44	52	47	36
300	142	510	2.50	625	52	54	49	56	51	41
400	189	680	2.50	625	55	56	51	59	54	45
500	236	850	2.50	625	57	58	54	61	56	47
600	283	1019	2.50	625	59	60	56	63	57	49
700	330	1189	2.50	625	61	62	57	64	59	51
800	378	1359	2.50	625	61	63	59	65	61	53
900	425	1529	2.50	625	63	63	60	66	61	54
1000	472	1699	2.50	625	65	64	61	67	62	55
1100	519	1869	2.50	625	65	66	61	68	63	55
1200	566	2039	2.50	625	65	66	62	69	64	56
1300	614	2209	2.50	625	66	67	63	69	64	56
1400	661	2379	2.50	625	67	68	64	70	65	57
1500	708	2549	2.50	625	68	68	64	71	65	57
1600	755	2718	2.50	625	69	69	64	71	66	58
1700	802	2888	2.50	625	69	69	65	72	66	59
200	94	340	3.00	750	49	51	46	54	49	39
300	142	510	3.00	750	53	56	51	58	53	44
400	189	680	3.00	750	56	58	53	61	56	47
500	236	850	3.00	750	59	60	56	63	58	50
600	283	1019	3.00	750	61	62	58	65	59	51
700	330	1189	3.00	750	62	64	59	66	61	53
800	378	1359	3.00	750	62	64	61	67	63	55
900	425	1529	3.00	750	64	65	62	68	63	56
1000	472	1699	3.00	750	66	66	63	69	64	57
1100	519	1869	3.00	750	66	67	63	70	65	58
1200	566	2039	3.00	750	67	68	64	71	66	58
1300	614	2209	3.00	750	67	69	65	71	66	59
1400	661	2379	3.00	750	68	69	65	72	67	59
1500	708	2549	3.00	750	69	70	66	72	67	59
1600	755	2718	3.00	750	70	70	66	73	68	60
1700	802	2888	3.00	750	70	71	67	74	68	61
200	94	340	3.50	875	50	53	48	56	50	41
300	142	510	3.50	875	54	58	52	60	55	46
400	189	680	3.50	875	57	60	55	63	57	49
500	236	850	3.50	875	60	62	58	65	59	52
600	283	1019	3.50	875	62	64	60	66	61	53
700	330	1189	3.50	875	63	65	61	68	63	55
800	378	1359	3.50	875	63	66	62	69	64	57
900	425	1529	3.50	875	65	67	63	70	65	58
1000	472	1699	3.50	875	67	68	64	71	66	59
1100	519	1869	3.50	875	68	69	65	72	67	59
1200	566	2039	3.50	875	68	70	66	72	67	60
1300	614	2209	3.50	875	69	70	66	73	68	60
1400	661	2379	3.50	875	69	71	67	73	68	61
1500	708	2549	3.50	875	70	71	67	74	69	61
1600	755	2718	3.50	875	71	72	68	75	69	62
1700	802	2888	3.50	875	71	72	68	75	70	62
200	94	340	4.00	1000	51	54	49	57	52	42
300	142	510	4.00	1000	55	59	54	61	56	47
400	189	680	4.00	1000	58	61	57	64	59	51
500	236	850	4.00	1000	61	63	59	66	61	53
600	283	1019	4.00	1000	63	65	61	68	63	55
700	330	1189	4.00	1000	64	66	63	69	64	57
800	378	1359	4.00	1000	64	67	64	70	66	59
900	425	1529	4.00	1000	66	68	65	71	67	60
1000	472	1699	4.00	1000	68	69	66	72	68	61
1100	519	1869	4.00	1000	69	70	66	73	68	61
1200	566	2039	4.00	1000	69	71	67	74	69	62
1300	614	2209	4.00	1000	69	72	68	74	69	62
1400	661	2379	4.00	1000	70	72	69	75	70	62
1500	708	2549	4.00	1000	71	73	69	75	70	63
1600	755	2718	4.00	1000	72	73	69	76	71	63
1700	802	2888	4.00	1000	72	73	70	77	71	64

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130**, *Methods of Testing Air Terminal Units*
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted througn the valve body.

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Phoenix Controls
Accel II Airflow Control Valves

Medium Pressure Low Leakage Shut Off Valves
Radiated Sound Power Level Performance Data
Size 212

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
400	190	680	0.60	150	< 20	< 20	39	43	34	26
600	285	1015	0.60	150	28	17	43	47	38	31
800	380	1350	0.60	150	34	28	45	50	41	33
1000	470	1700	0.60	150	40	36	47	52	44	36
1200	560	2050	0.60	150	44	43	49	53	46	37
1400	655	2375	0.60	150	48	48	51	54	47	39
1600	750	2700	0.60	150	51	53	52	55	48	39
1800	845	3050	0.60	150	53	57	53	56	50	40
2000	940	3400	0.60	150	56	58	54	56	51	41
2200	1045	3725	0.60	150	57	60	54	57	52	42
2400	1150	4050	0.60	150	59	62	55	58	52	43
2600	1225	4400	0.60	150	62	65	55	58	53	43
400	190	680	1.00	250	26	< 20	43	48	40	32
600	285	1015	1.00	250	35	23	48	52	44	37
800	380	1350	1.00	250	41	34	50	55	47	39
1000	470	1700	1.00	250	46	42	52	57	49	42
1200	560	2050	1.00	250	50	49	54	58	51	43
1400	655	2375	1.00	250	54	54	55	59	53	45
1600	750	2700	1.00	250	57	59	57	60	54	46
1800	845	3050	1.00	250	59	63	58	61	55	47
2000	940	3400	1.00	250	61	63	58	62	56	47
2200	1045	3725	1.00	250	62	64	59	62	57	48
2400	1150	4050	1.00	250	63	66	60	63	58	49
2600	1225	4400	1.00	250	65	68	60	63	58	49
400	190	680	1.50	375	32	< 20	47	51	44	36
600	285	1015	1.50	375	40	28	52	56	48	42
800	380	1350	1.50	375	47	39	54	59	51	44
1000	470	1700	1.50	375	52	47	56	61	54	47
1200	560	2050	1.50	375	56	54	58	62	56	48
1400	655	2375	1.50	375	59	59	59	63	57	50
1600	750	2700	1.50	375	62	64	60	64	58	51
1800	845	3050	1.50	375	65	67	61	65	59	51
2000	940	3400	1.50	375	66	68	62	66	60	52
2200	1045	3725	1.50	375	67	68	63	66	61	53
2400	1150	4050	1.50	375	67	69	64	67	62	54
2600	1225	4400	1.50	375	68	71	64	67	62	54
400	190	680	2.00	500	36	< 20	50	54	47	40
600	285	1015	2.00	500	45	31	54	59	52	45
800	380	1350	2.00	500	51	42	56	62	54	48
1000	470	1700	2.00	500	56	50	58	64	57	51
1200	560	2050	2.00	500	60	57	60	65	59	52
1400	655	2375	2.00	500	63	63	62	66	60	53
1600	750	2700	2.00	500	66	68	63	67	61	54
1800	845	3050	2.00	500	68	71	64	68	63	55
2000	940	3400	2.00	500	70	71	65	69	63	56
2200	1045	3725	2.00	500	70	71	66	69	64	56
2400	1150	4050	2.00	500	70	72	66	70	65	57
2600	1225	4400	2.00	500	70	73	67	70	65	58

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
400	190	680	2.50	625	39	< 20	52	56	50	42
600	285	1015	2.50	625	48	34	56	61	54	48
800	380	1350	2.50	625	54	45	59	64	57	50
1000	470	1700	2.50	625	59	53	60	66	59	53
1200	560	2050	2.50	625	63	60	62	67	61	55
1400	655	2375	2.50	625	66	65	64	69	63	56
1600	750	2700	2.50	625	69	70	65	69	64	57
1800	845	3050	2.50	625	71	73	66	70	65	58
2000	940	3400	2.50	625	73	73	67	71	66	58
2200	1045	3725	2.50	625	72	73	68	72	67	59
2400	1150	4050	2.50	625	72	74	68	72	67	60
2600	1225	4400	2.50	625	72	75	69	73	68	60
400	190	680	3.00	750	42	22	54	58	52	44
600	285	1015	3.00	750	51	36	58	62	56	50
800	380	1350	3.00	750	57	47	60	66	59	52
1000	470	1700	3.00	750	62	55	62	68	62	56
1200	560	2050	3.00	750	65	62	64	69	63	57
1400	655	2375	3.00	750	69	68	66	70	65	58
1600	750	2700	3.00	750	72	73	67	71	66	59
1800	845	3050	3.00	750	74	75	68	72	67	60
2000	940	3400	3.00	750	75	75	69	73	68	61
2200	1045	3725	3.00	750	75	75	69	73	68	61
2400	1150	4050	3.00	750	74	75	70	74	69	62
2600	1225	4400	3.00	750	74	76	71	74	70	62
400	190	680	3.50	875	44	23	55	60	54	46
600	285	1015	3.50	875	53	38	60	64	58	52
800	380	1350	3.50	875	59	49	62	67	61	54
1000	470	1700	3.50	875	64	57	64	70	63	57
1200	560	2050	3.50	875	68	64	66	71	65	59
1400	655	2375	3.50	875	71	69	67	72	66	60
1600	750	2700	3.50	875	74	74	68	73	68	61
1800	845	3050	3.50	875	76	77	69	74	69	62
2000	940	3400	3.50	875	77	77	70	74	69	62
2200	1045	3725	3.50	875	76	77	71	75	70	63
2400	1150	4050	3.50	875	76	76	72	75	71	64
2600	1225	4400	3.50	875	75	77	72	76	71	64
400	190	680	4.00	1000	46	25	56	61	55	48
600	285	1015	4.00	1000	55	40	61	65	59	53
800	380	1350	4.00	1000	61	51	63	68	62	56
1000	470	1700	4.00	1000	66	59	65	71	65	59
1200	560	2050	4.00	1000	70	65	67	72	66	61
1400	655	2375	4.00	1000	73	71	68	73	68	62
1600	750	2700	4.00	1000	76	76	70	74	69	63
1800	845	3050	4.00	1000	78	79	71	75	70	63
2000	940	3400	4.00	1000	79	79	71	76	71	64
2200	1045	3725	4.00	1000	78	78	72	76	72	65
2400	1150	4050	4.00	1000	77	78	73	77	72	65
2600	1225	4400	4.00	1000	76	78	73	77	73	66

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130**, *Methods of Testing Air Terminal Units*
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted througn the valve body.

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Phoenix Controls
Accel II Airflow Control Valves

Medium Pressure Low Leakage Shut Off Valves
Radiated Sound Power Level Performance Data
Size 214

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
400	189	680	0.60	150	33	41	45	49	33	18
600	283	1019	0.60	150	40	45	47	50	36	23
800	378	1359	0.60	150	46	48	49	51	38	29
1000	472	1699	0.60	150	50	50	50	52	40	32
1200	566	2039	0.60	150	53	52	52	53	41	35
1400	661	2379	0.60	150	56	53	53	53	43	37
1600	755	2718	0.60	150	58	55	54	54	44	40
1800	850	3058	0.60	150	60	56	55	54	45	41
2000	944	3398	0.60	150	63	57	56	55	46	43
2200	1038	3738	0.60	150	64	58	57	55	47	45
2400	1133	4078	0.60	150	66	59	58	55	48	46
2600	1227	4417	0.60	150	67	59	60	56	49	47
2800	1321	4757	0.60	150	69	60	61	56	50	48
3000	1416	5097	0.60	150	70	61	64	56	51	50
3200	1510	5437	0.60	150	71	62	66	57	51	51
400	189	680	1.00	250	37	47	51	54	39	24
600	283	1019	1.00	250	44	50	53	56	42	30
800	378	1359	1.00	250	50	53	55	57	44	35
1000	472	1699	1.00	250	54	56	56	57	46	39
1200	566	2039	1.00	250	57	58	57	58	48	42
1400	661	2379	1.00	250	60	59	58	59	49	44
1600	755	2718	1.00	250	62	60	59	60	50	46
1800	850	3058	1.00	250	65	61	60	60	51	48
2000	944	3398	1.00	250	67	62	61	60	52	50
2200	1038	3738	1.00	250	68	63	62	61	53	52
2400	1133	4078	1.00	250	70	64	63	61	54	53
2600	1227	4417	1.00	250	71	65	65	61	55	54
2800	1321	4757	1.00	250	73	66	67	62	56	55
3000	1416	5097	1.00	250	74	66	69	62	57	57
3200	1510	5437	1.00	250	75	67	71	62	58	58
400	189	680	1.50	375	40	51	55	59	44	30
600	283	1019	1.50	375	47	54	57	60	47	35
800	378	1359	1.50	375	53	58	59	61	49	41
1000	472	1699	1.50	375	57	60	60	62	51	44
1200	566	2039	1.50	375	61	62	61	63	53	47
1400	661	2379	1.50	375	63	63	62	63	54	49
1600	755	2718	1.50	375	66	65	63	64	55	52
1800	850	3058	1.50	375	68	66	64	64	56	54
2000	944	3398	1.50	375	70	67	65	65	57	55
2200	1038	3738	1.50	375	71	68	66	65	58	57
2400	1133	4078	1.50	375	73	69	68	66	59	58
2600	1227	4417	1.50	375	74	69	69	66	60	59
2800	1321	4757	1.50	375	76	70	71	66	61	61
3000	1416	5097	1.50	375	77	71	73	67	62	62
3200	1510	5437	1.50	375	78	72	75	67	62	63
400	189	680	2.00	500	43	54	58	62	48	33
600	283	1019	2.00	500	49	58	60	63	50	39
800	378	1359	2.00	500	55	61	62	64	53	44
1000	472	1699	2.00	500	59	63	63	65	54	48
1200	566	2039	2.00	500	63	65	64	66	56	51
1400	661	2379	2.00	500	65	66	65	67	57	53
1600	755	2718	2.00	500	68	68	66	67	59	56
1800	850	3058	2.00	500	70	69	67	68	60	57
2000	944	3398	2.00	500	72	70	68	68	61	59
2200	1038	3738	2.00	500	74	71	69	68	61	61
2400	1133	4078	2.00	500	75	72	71	69	62	62
2600	1227	4417	2.00	500	77	73	72	69	63	63
2800	1321	4757	2.00	500	78	73	74	69	64	64
3000	1416	5097	2.00	500	79	74	76	70	65	66
3200	1510	5437	2.00	500	81	75	78	70	66	67

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
400	189	680	2.50	625	44	56	61	64	50	36
600	283	1019	2.50	625	51	60	62	66	53	42
800	378	1359	2.50	625	57	63	64	67	55	47
1000	472	1699	2.50	625	61	65	66	68	57	51
1200	566	2039	2.50	625	65	67	67	68	59	54
1400	661	2379	2.50	625	67	69	68	69	60	56
1600	755	2718	2.50	625	70	70	69	70	61	59
1800	850	3058	2.50	625	72	71	70	70	62	60
2000	944	3398	2.50	625	74	73	70	71	63	62
2200	1038	3738	2.50	625	75	73	72	71	64	64
2400	1133	4078	2.50	625	77	74	73	71	65	65
2600	1227	4417	2.50	625	79	75	74	72	66	66
2800	1321	4757	2.50	625	80	76	76	72	67	67
3000	1416	5097	2.50	625	81	77	78	72	68	69
3200	1510	5437	2.50	625	82	77	80	72	69	70
400	189	680	3.00	750	46	58	63	66	53	39
600	283	1019	3.00	750	52	62	64	68	55	44
800	378	1359	3.00	750	59	65	66	69	58	50
1000	472	1699	3.00	750	62	67	68	70	59	53
1200	566	2039	3.00	750	66	69	69	70	61	56
1400	661	2379	3.00	750	69	71	70	71	62	59
1600	755	2718	3.00	750	71	72	71	72	64	61
1800	850	3058	3.00	750	73	73	71	72	64	63
2000	944	3398	3.00	750	75	75	72	73	65	65
2200	1038	3738	3.00	750	77	75	74	73	66	66
2400	1133	4078	3.00	750	79	76	75	73	67	67
2600	1227	4417	3.00	750	80	77	76	74	68	69
2800	1321	4757	3.00	750	81	78	78	74	69	70
3000	1416	5097	3.00	750	83	79	80	74	70	71
3200	1510	5437	3.00	750	84	79	82	75	71	73
400	189	680	3.50	875	47	60	64	68	54	41
600	283	1019	3.50	875	53	63	66	69	57	46
800	378	1359	3.50	875	60	67	68	70	60	52
1000	472	1699	3.50	875	64	69	69	71	61	55
1200	566	2039	3.50	875	67	71	70	72	63	58
1400	661	2379	3.50	875	70	73	71	73	64	61
1600	755	2718	3.50	875	72	74	72	73	65	63
1800	850	3058	3.50	875	74	75	73	74	66	65
2000	944	3398	3.50	875	77	76	74	74	67	67
2200	1038	3738	3.50	875	78	77	75	75	68	68
2400	1133	4078	3.50	875	80	78	76	75	69	70
2600	1227	4417	3.50	875	81	79	78	75	70	71
2800	1321	4757	3.50	875	83	80	79	76	71	72
3000	1416	5097	3.50	875	84	80	82	76	72	73
3200	1510	5437	3.50	875	85	81	84	76	73	75
400	189	680	4.00	1000	48	62	66	70	56	43
600	283	1019	4.00	1000	54	65	68	71	59	48
800	378	1359	4.00	1000	61	68	69	72	61	54
1000	472	1699	4.00	1000	65	70	71	73	63	57
1200	566	2039	4.00	1000	68	73	72	74	64	60
1400	661	2379	4.00	1000	71	74	73	74	66	62
1600	755	2718	4.00	1000	73	76	74	75	67	65
1800	850	3058	4.00	1000	75	77	74	75	68	67
2000	944	3398	4.00	1000	78	78	75	76	69	68
2200	1038	3738	4.00	1000	79	79	76	76	70	70
2400	1133	4078	4.00	1000	81	80	78	77	71	71
2600	1227	4417	4.00	1000	82	80	79	77	72	72
2800	1321	4757	4.00	1000	84	81	81	77	73	73
3000	1416	5097	4.00	1000	85	82	83	77	73	75
3200	1510	5437	4.00	1000	86	83	85	78	74	76

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130**, *Methods of Testing Air Terminal Units*
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted througn the valve body.

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Phoenix Controls
Accel II Airflow Control Valves

Medium Pressure Low Leakage Shut Off Valves
Radiated Sound Power Level Performance Data
Size 312

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	0.60	150	38	35	41	44	37	27
900	425	1529	0.60	150	44	40	45	48	41	32
1200	566	2039	0.60	150	48	44	47	51	43	34
1500	708	2549	0.60	150	51	47	49	53	45	37
1800	850	3058	0.60	150	54	50	51	54	47	39
2100	991	3568	0.60	150	56	53	52	55	49	40
2400	1133	4078	0.60	150	58	56	53	56	50	41
2700	1274	4587	0.60	150	60	58	54	57	51	42
3000	1416	5097	0.60	150	61	60	55	58	52	43
3300	1557	5607	0.60	150	63	61	56	58	53	44
3600	1699	6116	0.60	150	64	63	57	59	54	45
3900	1841	6626	0.60	150	66	66	57	60	54	46
600	283	1019	1.00	250	41	39	45	49	42	33
900	425	1529	1.00	250	47	44	50	53	46	38
1200	566	2039	1.00	250	51	48	52	56	49	41
1500	708	2549	1.00	250	55	51	54	58	51	44
1800	850	3058	1.00	250	58	54	56	59	53	45
2100	991	3568	1.00	250	60	58	57	60	54	47
2400	1133	4078	1.00	250	62	61	58	61	55	48
2700	1274	4587	1.00	250	64	64	59	62	56	48
3000	1416	5097	1.00	250	65	65	60	63	57	49
3300	1557	5607	1.00	250	66	66	61	64	58	50
3600	1699	6116	1.00	250	68	67	61	64	59	51
3900	1841	6626	1.00	250	69	69	62	65	60	52
600	283	1019	1.50	375	44	43	49	53	47	38
900	425	1529	1.50	375	50	48	53	57	50	43
1200	566	2039	1.50	375	55	52	56	60	53	46
1500	708	2549	1.50	375	58	55	58	62	55	49
1800	850	3058	1.50	375	61	58	59	63	57	50
2100	991	3568	1.50	375	64	62	61	65	59	52
2400	1133	4078	1.50	375	66	66	62	65	60	53
2700	1274	4587	1.50	375	68	68	63	66	61	53
3000	1416	5097	1.50	375	69	69	64	67	62	54
3300	1557	5607	1.50	375	70	69	64	68	63	55
3600	1699	6116	1.50	375	70	70	65	68	63	56
3900	1841	6626	1.50	375	72	72	66	69	64	56
600	283	1019	2.00	500	46	45	52	56	50	41
900	425	1529	2.00	500	52	50	56	60	54	46
1200	566	2039	2.00	500	57	54	58	63	56	49
1500	708	2549	2.00	500	61	58	60	65	59	52
1800	850	3058	2.00	500	63	61	62	66	60	54
2100	991	3568	2.00	500	66	65	64	68	62	55
2400	1133	4078	2.00	500	69	69	65	68	63	56
2700	1274	4587	2.00	500	70	71	66	69	64	57
3000	1416	5097	2.00	500	72	72	66	70	65	58
3300	1557	5607	2.00	500	72	72	67	71	66	58
3600	1699	6116	2.00	500	73	72	68	71	66	59
3900	1841	6626	2.00	500	74	74	68	72	67	60

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	2.50	625	48	47	54	58	52	44
900	425	1529	2.50	625	54	52	58	62	56	49
1200	566	2039	2.50	625	59	56	60	65	59	52
1500	708	2549	2.50	625	63	60	62	67	61	55
1800	850	3058	2.50	625	66	63	64	69	63	56
2100	991	3568	2.50	625	69	67	66	70	64	58
2400	1133	4078	2.50	625	71	71	67	71	65	59
2700	1274	4587	2.50	625	73	74	68	72	66	60
3000	1416	5097	2.50	625	74	74	69	72	67	60
3300	1557	5607	2.50	625	74	74	69	73	68	61
3600	1699	6116	2.50	625	75	74	70	73	69	62
3900	1841	6626	2.50	625	75	75	70	74	69	62
600	283	1019	3.00	750	49	49	55	60	55	46
900	425	1529	3.00	750	56	54	60	64	58	51
1200	566	2039	3.00	750	61	58	62	67	61	54
1500	708	2549	3.00	750	65	61	64	69	63	57
1800	850	3058	3.00	750	68	65	66	70	65	59
2100	991	3568	3.00	750	71	69	67	72	66	60
2400	1133	4078	3.00	750	73	73	68	73	67	61
2700	1274	4587	3.00	750	75	76	69	73	68	62
3000	1416	5097	3.00	750	76	76	70	74	69	62
3300	1557	5607	3.00	750	76	76	71	75	70	63
3600	1699	6116	3.00	750	76	76	72	75	70	64
3900	1841	6626	3.00	750	77	77	72	76	71	64
600	283	1019	3.50	875	51	50	57	61	56	48
900	425	1529	3.50	875	57	55	61	65	60	53
1200	566	2039	3.50	875	62	59	63	68	62	56
1500	708	2549	3.50	875	66	63	65	71	65	59
1800	850	3058	3.50	875	69	67	67	72	66	61
2100	991	3568	3.50	875	73	71	69	73	68	62
2400	1133	4078	3.50	875	75	75	70	74	69	63
2700	1274	4587	3.50	875	77	78	71	75	70	64
3000	1416	5097	3.50	875	78	78	72	76	71	64
3300	1557	5607	3.50	875	78	77	72	76	72	65
3600	1699	6116	3.50	875	78	77	73	77	72	66
3900	1841	6626	3.50	875	78	78	74	77	73	66
600	283	1019	4.00	1000	52	51	58	62	58	50
900	425	1529	4.00	1000	59	56	62	67	61	55
1200	566	2039	4.00	1000	64	60	65	70	64	58
1500	708	2549	4.00	1000	68	64	67	72	66	61
1800	850	3058	4.00	1000	71	68	68	73	68	62
2100	991	3568	4.00	1000	74	73	70	75	69	64
2400	1133	4078	4.00	1000	77	77	71	76	70	65
2700	1274	4587	4.00	1000	79	79	72	76	71	65
3000	1416	5097	4.00	1000	80	79	73	77	72	66
3300	1557	5607	4.00	1000	79	79	74	78	73	67
3600	1699	6116	4.00	1000	79	78	74	78	74	67
3900	1841	6626	4.00	1000	79	79	75	79	74	68

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130**, *Methods of Testing Air Terminal Units*
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted througn the valve body.

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Phoenix Controls
Accel II Airflow Control Valves

Medium Pressure Low Leakage Shut Off Valves
Radiated Sound Power Level Performance Data
Size 314

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	0.60	150	34	41	46	49	33	28
900	425	1529	0.60	150	41	45	47	50	36	31
1200	566	2039	0.60	150	47	48	49	51	39	34
1500	708	2549	0.60	150	50	50	51	52	41	36
1800	850	3058	0.60	150	54	52	52	53	43	38
2100	991	3568	0.60	150	57	53	53	53	44	40
2400	1133	4078	0.60	150	59	55	54	54	45	42
2700	1274	4587	0.60	150	61	56	55	55	47	43
3000	1416	5097	0.60	150	63	57	56	55	48	45
3300	1557	5607	0.60	150	65	58	57	55	49	46
3600	1699	6116	0.60	150	67	59	58	56	49	47
3900	1841	6626	0.60	150	68	60	60	56	50	48
4200	1982	7136	0.60	150	69	60	62	56	51	49
4500	2124	7646	0.60	150	71	61	64	57	52	50
4800	2265	8155	0.60	150	72	62	66	57	53	51
600	283	1019	1.00	250	38	47	51	54	40	35
900	425	1529	1.00	250	45	50	53	56	42	37
1200	566	2039	1.00	250	51	53	55	57	45	40
1500	708	2549	1.00	250	54	56	56	58	47	42
1800	850	3058	1.00	250	58	58	57	58	49	45
2100	991	3568	1.00	250	61	59	58	59	50	46
2400	1133	4078	1.00	250	63	60	59	60	52	48
2700	1274	4587	1.00	250	65	61	60	60	53	50
3000	1416	5097	1.00	250	67	63	61	61	54	51
3300	1557	5607	1.00	250	69	63	62	61	55	52
3600	1699	6116	1.00	250	71	64	64	61	56	54
3900	1841	6626	1.00	250	72	65	65	62	56	55
4200	1982	7136	1.00	250	73	66	67	62	57	56
4500	2124	7646	1.00	250	75	67	69	62	58	57
4800	2265	8155	1.00	250	76	67	71	63	59	58
600	283	1019	1.50	375	41	51	55	59	44	40
900	425	1529	1.50	375	48	54	57	60	47	42
1200	566	2039	1.50	375	54	58	59	61	50	45
1500	708	2549	1.50	375	58	60	60	62	52	47
1800	850	3058	1.50	375	61	62	62	63	54	50
2100	991	3568	1.50	375	64	63	63	64	55	51
2400	1133	4078	1.50	375	66	65	63	64	56	53
2700	1274	4587	1.50	375	68	66	64	65	58	55
3000	1416	5097	1.50	375	70	67	65	65	59	56
3300	1557	5607	1.50	375	72	68	67	66	60	58
3600	1699	6116	1.50	375	74	69	68	66	60	59
3900	1841	6626	1.50	375	75	70	69	66	61	60
4200	1982	7136	1.50	375	77	70	71	67	62	61
4500	2124	7646	1.50	375	78	71	73	67	63	62
4800	2265	8155	1.50	375	79	72	75	67	64	64
600	283	1019	2.00	500	43	54	58	62	48	43
900	425	1529	2.00	500	50	58	60	63	51	46
1200	566	2039	2.00	500	56	61	62	64	53	49
1500	708	2549	2.00	500	60	63	63	65	55	51
1800	850	3058	2.00	500	63	65	65	66	57	53
2100	991	3568	2.00	500	66	67	66	67	58	55
2400	1133	4078	2.00	500	68	68	66	67	60	57
2700	1274	4587	2.00	500	71	69	67	68	61	59
3000	1416	5097	2.00	500	73	70	68	68	62	60
3300	1557	5607	2.00	500	74	71	70	69	63	61
3600	1699	6116	2.00	500	76	72	71	69	64	63
3900	1841	6626	2.00	500	77	73	72	69	65	64
4200	1982	7136	2.00	500	79	74	74	70	65	65
4500	2124	7646	2.00	500	80	74	76	70	66	66
4800	2265	8155	2.00	500	81	75	78	70	67	67

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	2.50	625	45	57	61	64	51	46
900	425	1529	2.50	625	52	60	63	66	53	49
1200	566	2039	2.50	625	58	63	64	67	56	52
1500	708	2549	2.50	625	61	65	66	68	58	54
1800	850	3058	2.50	625	65	68	67	69	60	56
2100	991	3568	2.50	625	68	69	68	69	61	58
2400	1133	4078	2.50	625	70	70	69	70	63	60
2700	1274	4587	2.50	625	72	71	70	70	64	61
3000	1416	5097	2.50	625	74	73	71	71	65	63
3300	1557	5607	2.50	625	76	74	72	71	66	64
3600	1699	6116	2.50	625	78	75	73	72	67	66
3900	1841	6626	2.50	625	79	75	75	72	67	67
4200	1982	7136	2.50	625	81	76	76	72	68	68
4500	2124	7646	2.50	625	82	77	78	73	69	69
4800	2265	8155	2.50	625	83	78	80	73	70	70
600	283	1019	3.00	750	47	58	63	67	53	48
900	425	1529	3.00	750	53	62	65	68	56	51
1200	566	2039	3.00	750	59	65	66	69	58	54
1500	708	2549	3.00	750	63	67	68	70	60	56
1800	850	3058	3.00	750	67	70	69	71	62	59
2100	991	3568	3.00	750	69	71	70	71	63	60
2400	1133	4078	3.00	750	72	72	71	72	65	62
2700	1274	4587	3.00	750	74	74	72	72	66	64
3000	1416	5097	3.00	750	76	75	73	73	67	65
3300	1557	5607	3.00	750	78	76	74	73	68	67
3600	1699	6116	3.00	750	79	77	75	74	69	68
3900	1841	6626	3.00	750	81	77	76	74	69	69
4200	1982	7136	3.00	750	82	78	78	74	70	70
4500	2124	7646	3.00	750	83	79	80	75	71	71
4800	2265	8155	3.00	750	85	80	82	75	72	73
600	283	1019	3.50	875	48	60	64	68	55	50
900	425	1529	3.50	875	54	64	66	69	57	53
1200	566	2039	3.50	875	60	67	68	71	60	56
1500	708	2549	3.50	875	64	69	69	71	62	58
1800	850	3058	3.50	875	68	71	71	72	64	61
2100	991	3568	3.50	875	70	73	71	73	65	62
2400	1133	4078	3.50	875	73	74	72	74	67	64
2700	1274	4587	3.50	875	75	75	73	74	68	66
3000	1416	5097	3.50	875	77	76	74	75	69	67
3300	1557	5607	3.50	875	79	77	75	75	70	69
3600	1699	6116	3.50	875	80	78	76	75	71	70
3900	1841	6626	3.50	875	82	79	78	76	71	71
4200	1982	7136	3.50	875	83	80	80	76	72	72
4500	2124	7646	3.50	875	84	81	82	76	73	73
4800	2265	8155	3.50	875	86	81	84	77	74	75
600	283	1019	4.00	1000	49	62	66	70	56	52
900	425	1529	4.00	1000	55	65	68	71	59	54
1200	566	2039	4.00	1000	61	68	69	72	62	58
1500	708	2549	4.00	1000	65	71	71	73	64	60
1800	850	3058	4.00	1000	69	73	72	74	65	62
2100	991	3568	4.00	1000	71	74	73	74	67	64
2400	1133	4078	4.00	1000	74	76	74	75	68	66
2700	1274	4587	4.00	1000	76	77	75	76	69	68
3000	1416	5097	4.00	1000	78	78	75	76	70	69
3300	1557	5607	4.00	1000	80	79	77	76	71	70
3600	1699	6116	4.00	1000	81	80	78	77	72	72
3900	1841	6626	4.00	1000	83	80	79	77	73	73
4200	1982	7136	4.00	1000	84	81	81	77	74	74
4500	2124	7646	4.00	1000	86	82	83	78	75	75
4800	2265	8155	4.00	1000	87	83	85	78	75	77

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130**, *Methods of Testing Air Terminal Units*
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted througn the valve body.

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Phoenix Controls
Accel II Airflow Control Valves

Medium Pressure Low Leakage Shut Off Valves
Radiated Sound Power Level Performance Data
Size 412

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
800	378	1359	0.60	150	< 20	< 20	42	46	37	29
1200	566	2039	0.60	150	31	20	46	50	41	34
1600	755	2718	0.60	150	37	31	48	53	44	36
2000	944	3398	0.60	150	43	39	50	55	47	39
2400	1133	4078	0.60	150	47	46	52	56	49	40
2800	1321	4757	0.60	150	51	51	54	57	50	42
3200	1510	5437	0.60	150	54	56	55	58	51	42
3600	1699	6116	0.60	150	56	60	56	59	53	43
4000	1888	6796	0.60	150	59	61	57	59	54	44
4400	2077	7476	0.60	150	60	63	57	60	55	45
4800	2265	8155	0.60	150	62	65	58	61	55	46
5200	2454	8835	0.60	150	65	68	58	61	56	46
800	378	1359	1.00	250	29	< 20	46	51	43	35
1200	566	2039	1.00	250	38	26	51	55	47	40
1600	755	2718	1.00	250	44	37	53	58	50	42
2000	944	3398	1.00	250	49	45	55	60	52	45
2400	1133	4078	1.00	250	53	52	57	61	54	46
2800	1321	4757	1.00	250	57	57	58	62	56	48
3200	1510	5437	1.00	250	60	62	60	63	57	49
3600	1699	6116	1.00	250	62	66	61	64	58	50
4000	1888	6796	1.00	250	64	66	61	65	59	50
4400	2077	7476	1.00	250	65	67	62	65	60	51
4800	2265	8155	1.00	250	66	69	63	66	61	52
5200	2454	8835	1.00	250	68	71	63	66	61	52
800	378	1359	1.50	375	35	< 20	50	54	47	39
1200	566	2039	1.50	375	43	31	55	59	51	45
1600	755	2718	1.50	375	50	42	57	62	54	47
2000	944	3398	1.50	375	55	50	59	64	57	50
2400	1133	4078	1.50	375	59	57	61	65	59	51
2800	1321	4757	1.50	375	62	62	62	66	60	53
3200	1510	5437	1.50	375	65	67	63	67	61	54
3600	1699	6116	1.50	375	68	70	64	68	62	54
4000	1888	6796	1.50	375	69	71	65	69	63	55
4400	2077	7476	1.50	375	70	71	66	69	64	56
4800	2265	8155	1.50	375	70	72	67	70	65	57
5200	2454	8835	1.50	375	71	74	67	70	65	57
800	378	1359	2.00	500	39	< 20	53	57	50	43
1200	566	2039	2.00	500	48	34	57	62	55	48
1600	755	2718	2.00	500	54	45	59	65	57	51
2000	944	3398	2.00	500	59	53	61	67	60	54
2400	1133	4078	2.00	500	63	60	63	68	62	55
2800	1321	4757	2.00	500	66	66	65	69	63	56
3200	1510	5437	2.00	500	69	71	66	70	64	57
3600	1699	6116	2.00	500	71	74	67	71	66	58
4000	1888	6796	2.00	500	73	74	68	72	66	59
4400	2077	7476	2.00	500	73	74	69	72	67	59
4800	2265	8155	2.00	500	73	75	69	73	68	60
5200	2454	8835	2.00	500	73	76	70	73	68	61

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m3/h	in wc	Pa	125	250	500	1000	2000	4000
800	378	1359	2.50	625	42	< 20	55	59	53	45
1200	566	2039	2.50	625	51	37	59	64	57	51
1600	755	2718	2.50	625	57	48	62	67	60	53
2000	944	3398	2.50	625	62	56	63	69	62	56
2400	1133	4078	2.50	625	66	63	65	70	64	58
2800	1321	4757	2.50	625	69	68	67	72	66	59
3200	1510	5437	2.50	625	72	73	68	72	67	60
3600	1699	6116	2.50	625	74	76	69	73	68	61
4000	1888	6796	2.50	625	76	76	70	74	69	61
4400	2077	7476	2.50	625	75	76	71	75	70	62
4800	2265	8155	2.50	625	75	77	71	75	70	63
5200	2454	8835	2.50	625	75	78	72	76	71	63
800	378	1359	3.00	750	45	25	57	61	55	47
1200	566	2039	3.00	750	54	39	61	65	59	53
1600	755	2718	3.00	750	60	50	63	69	62	55
2000	944	3398	3.00	750	65	58	65	71	65	59
2400	1133	4078	3.00	750	68	65	67	72	66	60
2800	1321	4757	3.00	750	72	71	69	73	68	61
3200	1510	5437	3.00	750	75	76	70	74	69	62
3600	1699	6116	3.00	750	77	78	71	75	70	63
4000	1888	6796	3.00	750	78	78	72	76	71	64
4400	2077	7476	3.00	750	78	78	72	76	71	64
4800	2265	8155	3.00	750	77	78	73	77	72	65
5200	2454	8835	3.00	750	77	79	74	77	73	65
800	378	1359	3.50	875	47	26	58	63	57	49
1200	566	2039	3.50	875	56	41	63	67	61	55
1600	755	2718	3.50	875	62	52	65	70	64	57
2000	944	3398	3.50	875	67	60	67	73	66	60
2400	1133	4078	3.50	875	71	67	69	74	68	62
2800	1321	4757	3.50	875	74	72	70	75	69	63
3200	1510	5437	3.50	875	77	77	71	76	71	64
3600	1699	6116	3.50	875	79	80	72	77	72	65
4000	1888	6796	3.50	875	80	80	73	77	72	65
4400	2077	7476	3.50	875	79	80	74	78	73	66
4800	2265	8155	3.50	875	79	79	75	78	74	67
5200	2454	8835	3.50	875	78	80	75	79	74	67
800	378	1359	4.00	1000	49	28	59	64	58	51
1200	566	2039	4.00	1000	58	43	64	68	62	56
1600	755	2718	4.00	1000	64	54	66	71	65	59
2000	944	3398	4.00	1000	69	62	68	74	68	62
2400	1133	4078	4.00	1000	73	68	70	75	69	64
2800	1321	4757	4.00	1000	76	74	71	76	71	65
3200	1510	5437	4.00	1000	79	79	73	77	72	66
3600	1699	6116	4.00	1000	81	82	74	78	73	66
4000	1888	6796	4.00	1000	82	82	74	79	74	67
4400	2077	7476	4.00	1000	81	81	75	79	75	68
4800	2265	8155	4.00	1000	80	81	76	80	75	68
5200	2454	8835	4.00	1000	79	81	76	80	76	69

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130**, *Methods of Testing Air Terminal Units*
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted througn the valve body.

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Phoenix Controls
Accel II Airflow Control Valves

Medium Pressure Low Leakage Shut Off Valves
Radiated Sound Power Level Performance Data
Size 414

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
800	378	1359	0.60	150	36	44	48	52	36	21
1200	566	2039	0.60	150	43	48	50	53	39	26
1600	755	2718	0.60	150	49	51	52	54	41	32
2000	944	3398	0.60	150	53	53	53	55	43	35
2400	1133	4078	0.60	150	56	55	55	56	44	38
2800	1321	4757	0.60	150	59	56	56	56	46	40
3200	1510	5437	0.60	150	61	58	57	57	47	43
3600	1699	6116	0.60	150	63	59	58	57	48	44
4000	1888	6796	0.60	150	66	60	59	58	49	46
4400	2077	7476	0.60	150	67	61	60	58	50	48
4800	2265	8155	0.60	150	69	62	61	58	51	49
5200	2454	8835	0.60	150	70	62	63	59	52	50
5600	2643	9514	0.60	150	72	63	64	59	53	51
6000	2832	10194	0.60	150	73	64	67	59	54	53
6400	3020	10874	0.60	150	74	65	69	60	54	54
800	378	1359	1.00	250	40	50	54	57	42	27
1200	566	2039	1.00	250	47	53	56	59	45	33
1600	755	2718	1.00	250	53	56	58	60	47	38
2000	944	3398	1.00	250	57	59	59	60	49	42
2400	1133	4078	1.00	250	60	61	60	61	51	45
2800	1321	4757	1.00	250	63	62	61	62	52	47
3200	1510	5437	1.00	250	65	63	62	63	53	49
3600	1699	6116	1.00	250	68	64	63	63	54	51
4000	1888	6796	1.00	250	70	65	64	63	55	53
4400	2077	7476	1.00	250	71	66	65	64	56	55
4800	2265	8155	1.00	250	73	67	66	64	57	56
5200	2454	8835	1.00	250	74	68	68	64	58	57
5600	2643	9514	1.00	250	76	69	70	65	59	58
6000	2832	10194	1.00	250	77	69	72	65	60	60
6400	3020	10874	1.00	250	78	70	74	65	61	61
800	378	1359	1.50	375	43	54	58	62	47	33
1200	566	2039	1.50	375	50	57	60	63	50	38
1600	755	2718	1.50	375	56	61	62	64	52	44
2000	944	3398	1.50	375	60	63	63	65	54	47
2400	1133	4078	1.50	375	64	65	64	66	56	50
2800	1321	4757	1.50	375	66	66	65	66	57	52
3200	1510	5437	1.50	375	69	68	66	67	58	55
3600	1699	6116	1.50	375	71	69	67	67	59	57
4000	1888	6796	1.50	375	73	70	68	68	60	58
4400	2077	7476	1.50	375	74	71	69	68	61	60
4800	2265	8155	1.50	375	76	72	71	69	62	61
5200	2454	8835	1.50	375	77	72	72	69	63	62
5600	2643	9514	1.50	375	79	73	74	69	64	64
6000	2832	10194	1.50	375	80	74	76	70	65	65
6400	3020	10874	1.50	375	81	75	78	70	65	66
800	378	1359	2.00	500	46	57	61	65	51	36
1200	566	2039	2.00	500	52	61	63	66	53	42
1600	755	2718	2.00	500	58	64	65	67	56	47
2000	944	3398	2.00	500	62	66	66	68	57	51
2400	1133	4078	2.00	500	66	68	67	69	59	54
2800	1321	4757	2.00	500	68	69	68	70	60	56
3200	1510	5437	2.00	500	71	71	69	70	62	59
3600	1699	6116	2.00	500	73	72	70	71	63	60
4000	1888	6796	2.00	500	75	73	71	71	64	62
4400	2077	7476	2.00	500	77	74	72	71	64	64
4800	2265	8155	2.00	500	78	75	74	72	65	65
5200	2454	8835	2.00	500	80	76	75	72	66	66
5600	2643	9514	2.00	500	81	76	77	72	67	67
6000	2832	10194	2.00	500	82	77	79	73	68	69
6400	3020	10874	2.00	500	84	78	81	73	69	70

Airflow			DPS		Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz					
cfm	L/s	m^3/h	in wc	Pa	125	250	500	1000	2000	4000
800	378	1359	2.50	625	47	59	64	67	53	39
1200	566	2039	2.50	625	54	63	65	69	56	45
1600	755	2718	2.50	625	60	66	67	70	58	50
2000	944	3398	2.50	625	64	68	69	71	60	54
2400	1133	4078	2.50	625	68	70	70	71	62	57
2800	1321	4757	2.50	625	70	72	71	72	63	59
3200	1510	5437	2.50	625	73	73	72	73	64	62
3600	1699	6116	2.50	625	75	74	73	73	65	63
4000	1888	6796	2.50	625	77	76	73	74	66	65
4400	2077	7476	2.50	625	78	76	75	74	67	67
4800	2265	8155	2.50	625	80	77	76	74	68	68
5200	2454	8835	2.50	625	82	78	77	75	69	69
5600	2643	9514	2.50	625	83	79	79	75	70	70
6000	2832	10194	2.50	625	84	80	81	75	71	72
6400	3020	10874	2.50	625	85	80	83	75	72	73
800	378	1359	3.00	750	49	61	66	69	56	42
1200	566	2039	3.00	750	55	65	67	71	58	47
1600	755	2718	3.00	750	62	68	69	72	61	53
2000	944	3398	3.00	750	65	70	71	73	62	56
2400	1133	4078	3.00	750	69	72	72	73	64	59
2800	1321	4757	3.00	750	72	74	73	74	65	62
3200	1510	5437	3.00	750	74	75	74	75	67	64
3600	1699	6116	3.00	750	76	76	74	75	67	66
4000	1888	6796	3.00	750	78	78	75	76	68	68
4400	2077	7476	3.00	750	80	78	77	76	69	69
4800	2265	8155	3.00	750	82	79	78	76	70	70
5200	2454	8835	3.00	750	83	80	79	77	71	72
5600	2643	9514	3.00	750	84	81	81	77	72	73
6000	2832	10194	3.00	750	86	82	83	77	73	74
6400	3020	10874	3.00	750	87	82	85	78	74	76
800	378	1359	3.50	875	50	63	67	71	57	44
1200	566	2039	3.50	875	56	66	69	72	60	49
1600	755	2718	3.50	875	63	70	71	73	63	55
2000	944	3398	3.50	875	67	72	72	74	64	58
2400	1133	4078	3.50	875	70	74	73	75	66	61
2800	1321	4757	3.50	875	73	76	74	76	67	64
3200	1510	5437	3.50	875	75	77	75	76	68	66
3600	1699	6116	3.50	875	77	78	76	77	69	68
4000	1888	6796	3.50	875	80	79	77	77	70	70
4400	2077	7476	3.50	875	81	80	78	78	71	71
4800	2265	8155	3.50	875	83	81	79	78	72	73
5200	2454	8835	3.50	875	84	82	81	78	73	74
5600	2643	9514	3.50	875	86	83	82	79	74	75
6000	2832	10194	3.50	875	87	83	85	79	75	76
6400	3020	10874	3.50	875	88	84	87	79	76	78
800	378	1359	4.00	1000	51	65	69	73	59	46
1200	566	2039	4.00	1000	57	68	71	74	62	51
1600	755	2718	4.00	1000	64	71	72	75	64	57
2000	944	3398	4.00	1000	68	73	74	76	66	60
2400	1133	4078	4.00	1000	71	76	75	77	67	63
2800	1321	4757	4.00	1000	74	77	76	77	69	65
3200	1510	5437	4.00	1000	76	79	77	78	70	68
3600	1699	6116	4.00	1000	78	80	77	78	71	70
4000	1888	6796	4.00	1000	81	81	78	79	72	71
4400	2077	7476	4.00	1000	82	82	79	79	73	73
4800	2265	8155	4.00	1000	84	83	81	80	74	74
5200	2454	8835	4.00	1000	85	83	82	80	75	75
5600	2643	9514	4.00	1000	87	84	84	80	76	76
6000	2832	10194	4.00	1000	88	85	86	80	76	78
6400	3020	10874	4.00	1000	89	86	88	81	77	79

Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130**, *Methods of Testing Air Terminal Units*
2. DPS is the difference in static pressure across the valve.
3. Radiated sound is the noise emitted througn the valve body.

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