



Accel II Airflow Control Valves
MEDIUM PRESSURE SHUT-OFF SUPPLY
Sound Power Level Data

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Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Shut Off Valves

Discharge Sound Power Level Performance Data

Size 108

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	0.60	150	30.8	41.4	37.0	35.5	39.0	28.0
100	45	170	0.60	150	37.3	47.8	44.9	44.4	42.9	33.5
150	70	250	0.60	150	44.2	52.2	48.1	48.1	45.2	37.3
200	95	340	0.60	150	48.0	53.8	49.4	50.6	47.1	40.1
250	120	420	0.60	150	48.7	54.0	50.2	52.1	48.4	42.4
300	140	510	0.60	150	51.1	54.5	50.7	52.0	49.4	44.3
350	160	590	0.60	150	53.1	55.4	51.1	52.9	50.0	45.7
400	190	680	0.60	150	54.9	56.8	52.0	53.5	50.4	47.2
450	210	760	0.60	150	56.3	57.2	53.7	54.2	50.8	48.0
500	230	850	0.60	150	57.3	57.6	54.6	55.1	51.8	48.6
550	255	925	0.60	150	58.6	58.0	56.1	55.5	52.0	48.7
600	280	1000	0.60	150	59.9	58.4	57.1	57.6	52.2	48.8

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	2.00	500	42.5	48.6	44.2	47.5	50.5	38.9
100	45	170	2.00	500	47.3	55.1	53.5	55.7	56.1	47.7
150	70	250	2.00	500	54.6	60.3	56.8	59.5	58.3	50.6
200	95	340	2.00	500	57.1	63.2	60.5	63.4	59.8	53.7
250	120	420	2.00	500	57.4	64.6	62.2	64.7	60.8	55.9
300	140	510	2.00	500	59.7	65.6	63.0	66.3	62.0	57.3
350	160	590	2.00	500	61.3	67.3	63.9	67.4	63.5	59.2
400	190	680	2.00	500	62.7	68.0	64.5	68.6	64.5	60.6
450	210	760	2.00	500	64.0	68.8	65.7	69.2	65.2	61.6
500	230	850	2.00	500	65.1	69.2	66.3	69.8	65.6	62.3
550	255	925	2.00	500	65.7	69.4	67.3	70.5	65.8	62.5
600	280	1000	2.00	500	65.9	69.7	68.2	71.0	66.0	62.7

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	1.00	250	35.2	46.0	40.0	41.6	44.0	34.2
100	45	170	1.00	250	41.3	51.3	48.5	47.9	48.7	39.4
150	70	250	1.00	250	48.6	55.7	52.2	53.9	51.1	43.1
200	95	340	1.00	250	52.2	57.9	54.0	55.8	52.5	45.9
250	120	420	1.00	250	52.4	58.4	55.2	57.4	53.9	48.1
300	140	510	1.00	250	54.8	59.2	56.2	58.1	54.9	49.5
350	160	590	1.00	250	56.5	60.6	56.6	59.0	55.8	51.4
400	190	680	1.00	250	58.1	61.6	57.2	59.8	56.6	52.9
450	210	760	1.00	250	59.5	61.8	58.8	60.5	56.8	53.8
500	230	850	1.00	250	60.5	62.2	59.5	61.3	57.6	54.4
550	255	925	1.00	250	61.4	62.5	60.8	61.7	57.9	54.5
600	280	1000	1.00	250	62.0	62.8	61.9	63.3	58.1	54.7

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	2.50	625	45.3	49.6	45.6	49.8	52.1	42.2
100	45	170	2.50	625	49.1	56.6	55.1	58.2	58.5	50.3
150	70	250	2.50	625	55.4	61.7	59.8	64.5	61.3	53.6
200	95	340	2.50	625	58.2	64.7	62.6	66.0	62.1	56.1
250	120	420	2.50	625	59.1	66.5	64.4	67.1	63.7	58.3
300	140	510	2.50	625	60.8	67.7	65.2	69.0	64.3	59.5
350	160	590	2.50	625	62.9	69.2	66.2	70.2	66.0	61.5
400	190	680	2.50	625	64.3	69.9	66.8	71.4	67.1	63.0
450	210	760	2.50	625	65.9	70.8	67.9	71.8	67.8	64.2
500	230	850	2.50	625	66.5	71.2	68.5	72.6	68.2	64.9
550	255	925	2.50	625	67.2	71.6	69.4	73.3	68.4	65.1
600	280	1000	2.50	625	67.5	71.8	70.2	73.6	68.6	65.3

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	1.50	375	39.3	47.2	42.5	44.4	47.8	36.8
100	45	170	1.50	375	44.3	53.5	51.4	52.4	53.0	44.1
150	70	250	1.50	375	52.1	58.4	55.5	58.5	55.6	47.7
200	95	340	1.50	375	55.2	61.1	57.8	60.1	56.8	50.5
250	120	420	1.50	375	55.3	62.0	59.4	61.6	58.2	52.7
300	140	510	1.50	375	57.7	63.0	60.3	62.9	59.1	54.5
350	160	590	1.50	375	59.2	64.9	60.9	63.9	60.3	56.0
400	190	680	1.50	375	60.9	65.3	61.5	64.9	61.2	57.4
450	210	760	1.50	375	62.1	66.3	62.8	65.6	61.7	58.3
500	230	850	1.50	375	63.2	66.6	63.4	66.3	62.0	58.7
550	255	925	1.50	375	63.9	66.8	64.6	66.9	62.3	59.1
600	280	1000	1.50	375	64.2	67.0	65.5	67.8	62.7	59.4

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	3.00	750	47.6	50.3	46.8	51.8	54.2	47.6
100	45	170	3.00	750	50.6	58.0	56.4	60.3	60.4	50.4
150	70	250	3.00	750	56.7	62.9	61.2	66.6	63.2	55.6
200	95	340	3.00	750	59.1	65.9	64.3	68.0	64.1	58.1
250	120	420	3.00	750	60.4	68.1	66.1	69.8	65.6	60.1
300	140	510	3.00	750	62.6	69.3	67.0	71.2	66.1	61.2
350	160	590	3.00	750	64.2	70.7	67.7	72.4	68.1	63.4
400	190	680	3.00	750	65.6	71.5	68.7	73.8	69.1	65.0
450	210	760	3.00	750	66.7	72.3	69.7	74.1	70.0	66.2
500	230	850	3.00	750	67.7	72.8	70.3	74.9	70.3	66.9
550	255	925	3.00	750	68.4	73.3	71.0	75.4	70.4	67.2
600	280	1000	3.00	750	68.9	73.5	71.9	75.7	70.6	67.4

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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Shut Off Valves

Discharge Sound Power Level Performance Data

Size 108 with Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	0.60	150	30.8	41.4	35.3	24.7	33.1	18.7
100	45	170	0.60	150	37.3	47.8	40.6	29.0	33.2	22.2
150	70	250	0.60	150	44.2	52.2	43.3	31.0	33.3	26.1
200	95	340	0.60	150	48.0	53.8	45.1	32.8	35.2	29.4
250	120	420	0.60	150	48.7	54.0	46.5	35.0	35.8	31.3
300	140	510	0.60	150	51.1	54.5	47.5	37.7	36.2	32.1
350	160	590	0.60	150	53.1	55.4	48.6	40.2	36.6	32.7
400	190	680	0.60	150	54.9	56.8	49.6	44.1	40.5	33.2
450	210	760	0.60	150	56.3	57.2	50.8	46.0	40.9	33.7
500	230	850	0.60	150	57.3	57.6	51.9	49.3	43.1	34.3
550	255	925	0.60	150	58.6	58.0	52.4	52.3	45.5	34.7
600	280	1000	0.60	150	59.9	58.4	52.5	53.6	46.7	35.4

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	2.00	500	42.5	48.6	42.3	34.3	41.9	33.8
100	45	170	2.00	500	47.3	55.1	50.3	41.4	47.3	37.3
150	70	250	2.00	500	54.6	60.3	54.2	45.1	48.4	40.7
200	95	340	2.00	500	57.1	63.2	56.7	46.4	49.0	43.3
250	120	420	2.00	500	57.4	64.6	58.5	47.6	49.5	45.0
300	140	510	2.00	500	59.7	65.6	59.7	48.8	50.2	46.4
350	160	590	2.00	500	61.3	67.3	60.4	50.5	50.7	47.6
400	190	680	2.00	500	62.7	68.0	61.4	52.6	52.2	48.4
450	210	760	2.00	500	64.0	68.8	62.1	54.5	53.1	48.9
500	230	850	2.00	500	65.1	69.2	63.1	56.9	54.3	50.0
550	255	925	2.00	500	65.7	69.4	63.4	58.7	54.7	50.5
600	280	1000	2.00	500	65.9	69.7	63.8	59.7	55.5	50.7

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	1.00	250	35.2	46.0	38.1	28.4	36.8	24.9
100	45	170	1.00	250	41.3	51.3	44.7	34.7	39.3	28.5
150	70	250	1.00	250	48.6	55.7	47.9	36.9	39.9	32.3
200	95	340	1.00	250	52.2	57.9	50.0	38.4	41.0	35.4
250	120	420	1.00	250	52.4	58.4	51.6	40.2	41.7	37.3
300	140	510	1.00	250	54.8	59.2	52.7	42.2	42.6	38.3
350	160	590	1.00	250	56.5	60.6	53.6	44.3	44.5	38.7
400	190	680	1.00	250	58.1	61.6	54.6	47.4	45.5	39.1
450	210	760	1.00	250	59.5	61.8	55.4	49.5	46.0	39.6
500	230	850	1.00	250	60.5	62.2	56.8	50.5	47.8	40.5
550	255	925	1.00	250	61.4	62.5	57.0	54.2	48.2	41.3
600	280	1000	1.00	250	62.0	62.8	57.1	56.1	49.1	41.9

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	2.50	625	45.3	49.6	43.6	36.4	43.4	36.5
100	45	170	2.50	625	49.1	56.6	52.0	43.5	49.8	40.1
150	70	250	2.50	625	55.4	61.7	56.2	48.0	50.7	43.4
200	95	340	2.50	625	58.2	64.7	58.9	49.0	51.3	45.8
250	120	420	2.50	625	59.1	66.5	60.6	50.0	52.0	47.5
300	140	510	2.50	625	60.8	67.7	61.8	51.1	52.5	48.8
350	160	590	2.50	625	62.9	69.2	62.5	52.5	53.3	50.1
400	190	680	2.50	625	64.3	69.9	63.5	54.3	54.3	51.2
450	210	760	2.50	625	65.9	70.8	64.2	56.2	55.4	51.9
500	230	850	2.50	625	66.5	71.2	65.1	58.2	56.4	52.8
550	255	925	2.50	625	67.2	71.6	65.3	59.9	57.0	53.4
600	280	1000	2.50	625	67.5	71.8	66.0	60.8	57.6	53.6

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	1.50	375	39.3	47.2	40.7	31.8	39.7	30.4
100	45	170	1.50	375	44.3	53.5	47.9	39.2	44.0	33.7
150	70	250	1.50	375	52.1	58.4	51.6	41.6	45.0	37.2
200	95	340	1.50	375	55.2	61.1	54.0	43.1	45.6	40.1
250	120	420	1.50	375	55.3	62.0	55.7	44.6	46.3	41.8
300	140	510	1.50	375	57.7	63.0	56.8	46.1	47.2	43.1
350	160	590	1.50	375	59.2	64.9	57.6	47.8	48.3	44.3
400	190	680	1.50	375	60.9	65.3	58.5	50.4	49.4	44.7
450	210	760	1.50	375	62.1	66.3	59.3	52.4	50.2	45.0
500	230	850	1.50	375	63.2	66.6	60.5	55.3	51.6	46.4
550	255	925	1.50	375	63.9	66.8	60.8	57.2	52.2	46.7
600	280	1000	1.50	375	64.2	67.0	61.0	58.3	52.8	47.1

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
50	25	85	3.00	750	47.6	50.3	44.7	38.2	44.7	39.0
100	45	170	3.00	750	50.6	58.0	53.5	45.2	51.7	42.4
150	70	250	3.00	750	56.7	62.9	57.9	50.2	52.9	45.6
200	95	340	3.00	750	59.1	65.9	60.6	51.6	53.4	47.9
250	120	420	3.00	750	60.4	68.1	62.4	52.3	54.1	49.5
300	140	510	3.00	750	62.6	69.3	63.6	53.0	54.4	50.8
350	160	590	3.00	750	64.2	70.7	64.3	54.2	55.1	51.1
400	190	680	3.00	750	65.6	71.5	65.3	55.8	56.1	53.6
450	210	760	3.00	750	66.7	72.3	65.9	57.5	57.2	54.4
500	230	850	3.00	750	67.7	72.8	66.6	59.3	58.1	55.0
550	255	925	3.00	750	68.4	73.3	67.1	60.9	59.3	55.4
600	280	1000	3.00	750	68.9	73.5	67.7	61.7	59.4	55.7

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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Shut Off Valves Discharge Sound Power Level Performance Data Size 110 with Neutralizer

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	24	85	0.60	149	26.8	18.2	22.2	18.5	28.1	11.4
100	47	170	0.60	149	34.3	35.3	32.4	29.1	32.6	22.6
150	71	255	0.60	149	41.6	42.4	39.0	32.7	34.2	25.0
200	94	340	0.60	149	43.7	46.6	40.6	34.8	35.4	27.3
250	118	425	0.60	149	44.6	49.2	40.0	36.0	36.6	29.2
300	142	510	0.60	149	50.5	50.4	44.2	36.7	37.9	31.2
350	165	595	0.60	149	51.8	52.4	45.3	37.9	39.3	32.7
400	189	680	0.60	149	52.5	54.2	46.8	43.8	40.7	35.7
450	212	765	0.60	149	54.3	55.2	47.9	44.9	41.2	37.4
500	236	850	0.60	149	54.9	56.1	48.3	45.3	42.6	39.2
550	260	934	0.60	149	55.9	55.9	49.2	45.7	43.1	40.7
600	283	1019	0.60	149	56.7	56.4	49.9	46.1	43.8	41.7
650	307	1104	0.60	149	57.8	56.9	50.2	46.4	44.6	42.4
700	330	1189	0.60	149	58.5	57.2	50.6	46.5	45.4	43.1
750	354	1274	0.60	149	58.9	57.3	50.7	46.6	45.7	43.9
800	378	1359	0.60	149	59.5	57.7	51.3	47.2	46.4	44.5
850	401	1444	0.60	149	60.4	57.9	51.5	47.6	46.8	44.5

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	24	85	2.00	498	32.4	24.1	27.9	28.9	47.1	40.5
100	47	170	2.00	498	44.3	44.7	43.3	39.8	48.2	42.3
150	71	255	2.00	498	49.1	51.9	49.2	43.3	49.3	42.6
200	94	340	2.00	498	51.9	56.4	51.4	45.8	50.0	43.9
250	118	425	2.00	498	54.4	60.0	52.7	46.7	50.5	44.7
300	142	510	2.00	498	56.5	62.3	57.1	47.8	51.4	46.0
350	165	595	2.00	498	58.9	64.3	58.5	49.1	52.2	46.9
400	189	680	2.00	498	62.9	66.8	61.1	55.7	54.4	50.5
450	212	765	2.00	498	64.5	68.2	62.1	56.8	54.9	51.9
500	236	850	2.00	498	65.7	69.4	62.7	57.4	56.1	53.5
550	260	934	2.00	498	67.1	70.2	63.6	58.1	56.5	54.8
600	283	1019	2.00	498	68.1	70.8	64.2	58.6	57.5	55.6
650	307	1104	2.00	498	68.4	71.8	64.7	59.2	58.0	56.3
700	330	1189	2.00	498	69.3	72.1	65.1	59.6	58.8	57.0
750	354	1274	2.00	498	70.2	72.5	65.5	59.8	59.1	57.5
800	378	1359	2.00	498	70.8	72.7	65.9	60.2	59.7	58.1
850	401	1444	2.00	498	71.3	72.9	66.2	60.5	60.0	58.4

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	24	85	1.00	249	30.3	20.7	24.6	22.9	36.0	24.6
100	47	170	1.00	249	38.3	39.2	36.3	33.5	39.2	31.2
150	71	255	1.00	249	45.1	46.6	43.4	37.5	40.6	32.5
200	94	340	1.00	249	47.2	50.8	45.7	39.3	41.6	34.4
250	118	425	1.00	249	48.9	53.8	45.7	40.5	42.6	35.9
300	142	510	1.00	249	54.0	55.4	49.7	41.4	43.6	37.5
350	165	595	1.00	249	56.0	57.5	50.9	42.6	44.8	38.7
400	189	680	1.00	249	57.0	59.8	52.8	48.8	46.5	42.0
450	212	765	1.00	249	58.8	61.1	53.8	49.9	47.0	43.6
500	236	850	1.00	249	59.5	62.0	54.3	50.3	48.3	45.3
550	260	934	1.00	249	60.7	62.1	55.2	50.9	48.8	46.7
600	283	1019	1.00	249	61.4	62.6	55.9	51.4	49.7	47.6
650	307	1104	1.00	249	62.4	63.1	56.3	51.8	50.4	48.3
700	330	1189	1.00	249	63.0	63.3	56.7	52.0	51.1	49.0
750	354	1274	1.00	249	63.5	63.4	56.9	52.2	51.4	49.7
800	378	1359	1.00	249	64.1	63.8	57.4	52.7	52.1	50.3
850	401	1444	1.00	249	64.8	64.0	57.7	53.0	52.5	50.4

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	24	85	3.00	747	33.5	26.0	29.9	32.3	53.8	46.7
100	47	170	3.00	747	47.1	48.0	46.1	43.5	53.7	48.7
150	71	255	3.00	747	51.1	54.8	52.7	46.5	54.6	48.6
200	94	340	3.00	747	53.8	59.7	54.8	49.8	55.1	49.6
250	118	425	3.00	747	55.9	63.7	56.8	50.6	55.3	50.2
300	142	510	3.00	747	58.1	66.3	61.5	51.6	55.9	51.0
350	165	595	3.00	747	60.5	68.4	63.0	52.9	56.6	51.7
400	189	680	3.00	747	64.8	70.8	66.1	59.7	59.5	55.4
450	212	765	3.00	747	66.4	72.4	67.0	61.3	59.7	56.8
500	236	850	3.00	747	67.7	73.6	67.8	62.0	60.8	58.3
550	260	934	3.00	747	69.1	74.7	68.6	62.7	61.0	59.5
600	283	1019	3.00	747	70.3	75.1	69.2	63.3	62.1	60.3
650	307	1104	3.00	747	70.7	76.2	69.7	63.9	62.7	61.0
700	330	1189	3.00	747	71.8	76.7	70.2	64.4	63.3	61.7
750	354	1274	3.00	747	72.5	77.6	70.6	64.3	63.6	62.2
800	378	1359	3.00	747	73.8	77.9	70.9	65.0	64.2	62.8
850	401	1444	3.00	747	74.6	78.5	71.3	65.2	64.4	63.0

- 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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Shut Off Valves

Discharge Sound Power Level Performance Data

Size 112

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	0.60	150	43.1	43.4	39.6	47.4	41.3	33.6
300	142	510	0.60	150	45.7	47.5	42.7	51.5	44.4	38.9
400	189	680	0.60	150	47.5	49.3	44.9	54.1	46.8	42.7
500	236	850	0.60	150	49.3	50.5	46.5	56.2	48.7	45.8
600	283	1019	0.60	150	51.5	51.8	47.7	57.7	50.4	48.4
700	330	1189	0.60	150	52.8	53.6	48.9	58.4	52.1	50.3
800	378	1359	0.60	150	54.6	54.4	49.4	59.1	53.3	51.3
900	425	1529	0.60	150	55.3	55.3	49.9	60.2	54.2	52.1
1000	472	1699	0.60	150	56.9	56.4	51.2	61.2	55.1	52.3
1100	519	1869	0.60	150	58.5	56.3	51.5	62.1	55.8	53.8
1200	566	2039	0.60	150	59.1	57.1	52.2	62.1	56.3	54.4
1300	614	2209	0.60	150	60.1	57.7	52.3	62.4	56.9	54.9

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	2.00	500	52.4	55.7	52.4	59.0	55.5	49.9
300	142	510	2.00	500	54.1	61.0	56.1	63.5	58.2	53.0
400	189	680	2.00	500	55.8	63.7	58.2	66.8	60.6	55.9
500	236	850	2.00	500	57.3	63.8	59.8	68.9	62.4	58.8
600	283	1019	2.00	500	58.8	65.9	60.9	70.9	64.0	61.4
700	330	1189	2.00	500	60.0	66.3	61.9	72.1	65.6	63.5
800	378	1359	2.00	500	62.4	68.0	62.8	72.9	66.8	64.8
900	425	1529	2.00	500	63.3	68.7	63.5	73.6	67.7	65.8
1000	472	1699	2.00	500	63.9	69.5	64.4	74.5	68.5	66.5
1100	519	1869	2.00	500	65.6	69.8	64.9	75.2	69.2	67.4
1200	566	2039	2.00	500	66.4	70.1	65.4	75.5	69.8	68.1
1300	614	2209	2.00	500	67.9	71.0	65.8	76.0	70.4	68.7

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	1.00	250	47.0	48.5	45.0	52.5	47.3	40.6
300	142	510	1.00	250	49.3	53.1	48.5	56.7	50.3	45.0
400	189	680	1.00	250	51.0	55.3	50.5	59.5	52.6	48.1
500	236	850	1.00	250	52.7	56.2	52.1	61.6	54.5	51.2
600	283	1019	1.00	250	54.6	57.6	53.3	63.3	56.2	53.6
700	330	1189	1.00	250	55.8	58.8	54.4	64.2	57.9	55.9
800	378	1359	1.00	250	58.1	60.0	55.1	65.0	59.0	57.0
900	425	1529	1.00	250	59.0	60.6	55.6	65.9	59.9	57.9
1000	472	1699	1.00	250	59.8	61.7	56.8	66.9	60.8	58.3
1100	519	1869	1.00	250	61.5	61.6	57.2	67.7	61.4	59.6
1200	566	2039	1.00	250	62.1	62.2	57.8	67.8	62.0	60.2
1300	614	2209	1.00	250	63.3	63.2	58.0	68.2	62.6	60.8

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	2.50	625	54.1	57.7	54.7	61.0	58.2	52.7
300	142	510	2.50	625	55.6	62.6	58.5	65.6	60.6	55.4
400	189	680	2.50	625	57.3	66.3	60.7	69.1	63.1	58.6
500	236	850	2.50	625	58.8	66.4	62.2	71.3	65.0	61.3
600	283	1019	2.50	625	60.0	68.4	63.3	73.2	66.5	63.9
700	330	1189	2.50	625	61.2	69.0	64.3	74.5	68.1	65.9
800	378	1359	2.50	625	63.8	70.8	65.3	75.4	69.3	67.2
900	425	1529	2.50	625	64.7	71.5	66.0	76.1	70.2	68.3
1000	472	1699	2.50	625	65.1	72.1	66.9	76.9	71.0	69.1
1100	519	1869	2.50	625	66.9	72.7	67.4	77.7	71.6	69.9
1200	566	2039	2.50	625	67.8	73.1	67.8	78.0	72.3	70.6
1300	614	2209	2.50	625	69.3	73.5	68.4	78.5	72.9	71.2

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	1.50	375	50.1	52.7	49.3	56.3	52.1	46.3
300	142	510	1.50	375	52.0	58.0	52.9	60.7	54.9	49.5
400	189	680	1.50	375	53.8	60.1	55.0	63.8	57.3	52.9
500	236	850	1.50	375	55.4	60.6	56.6	65.9	59.1	55.4
600	283	1019	1.50	375	57.2	62.5	57.8	67.8	60.8	58.2
700	330	1189	1.50	375	58.3	63.0	58.8	68.8	62.4	60.3
800	378	1359	1.50	375	60.5	64.6	59.7	69.6	63.6	61.6
900	425	1529	1.50	375	61.8	65.2	60.2	70.4	64.5	62.5
1000	472	1699	1.50	375	62.2	66.1	61.3	71.3	65.3	63.1
1100	519	1869	1.50	375	63.9	66.2	61.7	72.1	66.0	64.1
1200	566	2039	1.50	375	64.6	66.6	62.2	72.3	66.6	64.8
1300	614	2209	1.50	375	66.0	67.8	62.5	72.7	67.1	65.4

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	3.00	750	55.3	59.0	56.3	62.7	60.4	55.0
300	142	510	3.00	750	56.9	63.9	60.5	67.4	62.6	57.3
400	189	680	3.00	750	58.6	67.9	62.7	71.0	65.2	60.7
500	236	850	3.00	750	60.1	68.5	64.2	73.2	67.0	63.2
600	283	1019	3.00	750	61.0	70.7	65.3	75.2	68.6	65.9
700	330	1189	3.00	750	62.3	71.2	66.3	76.4	70.1	67.9
800	378	1359	3.00	750	65.0	73.1	67.3	77.4	71.3	69.3
900	425	1529	3.00	750	65.9	73.9	68.0	78.2	72.2	70.3
1000	472	1699	3.00	750	66.1	74.4	68.9	78.8	73.0	71.2
1100	519	1869	3.00	750	68.0	74.9	69.4	79.7	73.6	71.9
1200	566	2039	3.00	750	68.9	75.4	69.8	80.0	74.3	72.7
1300	614	2209	3.00	750	70.3	75.7	70.4	80.5	75.0	73.2

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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Shut Off Valves

Discharge Sound Power Level Performance Data

Size 112 with Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	0.60	150	43.1	43.4	39.6	37.7	33.4	26.6
300	142	510	0.60	150	45.7	47.5	42.7	41.5	35.5	32.1
400	189	680	0.60	150	47.5	49.3	44.9	44.5	38.2	36.1
500	236	850	0.60	150	49.3	50.5	46.5	46.3	40.2	38.5
600	283	1019	0.60	150	51.5	51.8	47.7	47.3	42.3	41.6
700	330	1189	0.60	150	52.8	53.6	48.9	47.9	43.9	43.1
800	378	1359	0.60	150	54.6	54.4	49.4	48.9	45.0	44.0
900	425	1529	0.60	150	55.3	55.3	49.9	49.9	46.0	45.1
1000	472	1699	0.60	150	56.9	56.4	51.2	51.4	47.0	45.6
1100	519	1869	0.60	150	58.5	56.3	51.5	52.2	48.0	46.5
1200	566	2039	0.60	150	59.1	57.1	52.2	52.4	48.6	47.2
1300	614	2209	0.60	150	60.1	57.7	52.3	52.6	49.4	48.0

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	2.00	500	52.4	55.7	52.4	49.3	47.7	42.9
300	142	510	2.00	500	54.1	61.0	56.1	53.5	49.3	46.2
400	189	680	2.00	500	55.8	63.7	58.2	57.2	52.0	49.3
500	236	850	2.00	500	57.3	63.8	59.8	59.0	53.8	51.5
600	283	1019	2.00	500	58.8	65.9	60.9	60.5	55.9	54.7
700	330	1189	2.00	500	60.0	66.3	61.9	61.6	57.3	56.3
800	378	1359	2.00	500	62.4	68.0	62.8	62.6	58.5	57.5
900	425	1529	2.00	500	63.3	68.7	63.5	63.3	59.6	58.8
1000	472	1699	2.00	500	63.9	69.5	64.4	64.6	60.4	59.8
1100	519	1869	2.00	500	65.6	69.8	64.9	65.3	61.4	60.1
1200	566	2039	2.00	500	66.4	70.1	65.4	65.9	62.1	60.9
1300	614	2209	2.00	500	67.9	71.0	65.8	66.1	62.9	61.8

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	1.00	250	47.0	48.5	45.0	42.8	39.4	33.6
300	142	510	1.00	250	49.3	53.1	48.5	46.7	41.4	38.2
400	189	680	1.00	250	51.0	55.3	50.5	49.9	44.1	41.5
500	236	850	1.00	250	52.7	56.2	52.1	51.7	45.9	43.9
600	283	1019	1.00	250	54.6	57.6	53.3	52.9	48.1	46.9
700	330	1189	1.00	250	55.8	58.8	54.4	53.7	49.6	48.7
800	378	1359	1.00	250	58.1	60.0	55.1	54.7	50.7	49.8
900	425	1529	1.00	250	59.0	60.6	55.6	55.6	51.8	50.9
1000	472	1699	1.00	250	59.8	61.7	56.8	57.0	52.7	51.6
1100	519	1869	1.00	250	61.5	61.6	57.2	57.7	53.7	52.3
1200	566	2039	1.00	250	62.1	62.2	57.8	58.1	54.3	53.0
1300	614	2209	1.00	250	63.3	63.2	58.0	58.3	55.1	53.9

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	2.50	625	54.1	57.7	54.7	51.3	50.1	45.7
300	142	510	2.50	625	55.6	62.6	58.5	55.6	51.5	48.6
400	189	680	2.50	625	57.3	66.3	60.7	59.7	54.4	52.0
500	236	850	2.50	625	58.8	66.4	62.2	61.6	56.1	54.0
600	283	1019	2.50	625	60.0	68.4	63.3	63.0	58.3	57.3
700	330	1189	2.50	625	61.2	69.0	64.3	64.0	59.7	58.9
800	378	1359	2.50	625	63.8	70.8	65.3	65.1	60.8	60.2
900	425	1529	2.50	625	64.7	71.5	66.0	65.7	61.9	61.4
1000	472	1699	2.50	625	65.1	72.1	66.9	67.0	62.7	62.4
1100	519	1869	2.50	625	66.9	72.7	67.4	67.6	63.8	62.8
1200	566	2039	2.50	625	67.8	73.1	67.8	68.2	64.3	63.5
1300	614	2209	2.50	625	69.3	73.5	68.4	68.8	65.1	64.4

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	1.50	375	50.1	52.7	49.3	46.6	44.2	39.3
300	142	510	1.50	375	52.0	58.0	52.9	50.7	46.1	42.7
400	189	680	1.50	375	53.8	60.1	55.0	54.2	48.7	46.3
500	236	850	1.50	375	55.4	60.6	56.6	56.0	50.6	48.1
600	283	1019	1.50	375	57.2	62.5	57.8	57.4	52.7	51.5
700	330	1189	1.50	375	58.3	63.0	58.8	58.3	54.1	53.1
800	378	1359	1.50	375	60.5	64.6	59.7	59.3	55.3	54.3
900	425	1529	1.50	375	61.8	65.2	60.2	60.1	56.3	55.5
1000	472	1699	1.50	375	62.2	66.1	61.3	61.5	57.2	56.4
1100	519	1869	1.50	375	63.9	66.2	61.7	62.1	58.2	56.9
1200	566	2039	1.50	375	64.6	66.6	62.2	62.6	58.9	57.6
1300	614	2209	1.50	375	66.0	67.8	62.5	62.9	59.7	58.5

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	3.00	750	55.3	59.0	56.3	53.0	52.3	48.0
300	142	510	3.00	750	56.9	63.9	60.5	57.4	53.5	50.5
400	189	680	3.00	750	58.6	67.9	62.7	61.6	56.5	54.1
500	236	850	3.00	750	60.1	68.5	64.2	63.5	58.2	55.9
600	283	1019	3.00	750	61.0	70.7	65.3	64.9	60.4	59.3
700	330	1189	3.00	750	62.3	71.2	66.3	65.9	61.7	60.9
800	378	1359	3.00	750	65.0	73.1	67.3	67.1	62.9	62.2
900	425	1529	3.00	750	65.9	73.9	68.0	67.8	63.9	63.4
1000	472	1699	3.00	750	66.1	74.4	68.9	69.0	64.7	64.5
1100	519	1869	3.00	750	68.0	74.9	69.4	69.6	65.8	64.9
1200	566	2039	3.00	750	68.9	75.4	69.8	70.2	66.4	65.5
1300	614	2209	3.00	750	70.3	75.7	70.4	70.8	67.2	66.4

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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Shut Off Valves

Discharge Sound Power Level Performance Data

Size 114 with Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	0.60	150	34.6	31.8	29.1	25.6	25.8	28.1
300	142	510	0.60	150	40.1	36.4	34.9	31.2	30.6	32.1
400	189	680	0.60	150	44.0	39.7	39.1	35.2	34.1	34.9
500	236	850	0.60	150	47.0	42.2	42.3	38.3	36.8	37.1
600	283	1019	0.60	150	49.5	44.3	44.9	40.9	38.9	38.9
700	330	1189	0.60	150	51.6	46.0	47.1	43.0	40.8	40.4
800	378	1359	0.60	150	53.4	47.5	49.1	44.8	42.4	41.8
900	425	1529	0.60	150	55.0	48.8	50.7	46.5	43.8	42.9
1000	472	1699	0.60	150	56.5	50.0	52.3	47.9	45.1	43.9
1100	519	1869	0.60	150	57.8	51.1	53.6	49.3	46.2	44.9
1200	566	2039	0.60	150	59.0	52.1	54.9	50.5	47.3	45.7
1300	614	2209	0.60	150	60.1	53.0	56.0	51.6	48.2	46.5
1400	661	2379	0.60	150	61.1	53.8	57.1	52.6	49.1	47.2
1500	708	2549	0.60	150	62.0	54.6	58.1	53.6	49.9	47.9
1600	755	2718	0.60	150	62.9	55.3	59.0	54.5	50.7	48.6

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	2.00	500	43.7	46.1	42.7	39.6	41.1	43.0
300	142	510	2.00	500	49.1	50.7	48.4	45.0	45.8	47.0
400	189	680	2.00	500	52.9	54.0	52.4	48.8	49.2	49.8
500	236	850	2.00	500	55.9	56.5	55.6	51.8	51.8	52.0
600	283	1019	2.00	500	58.3	58.6	58.1	54.3	53.9	53.8
700	330	1189	2.00	500	60.3	60.3	60.3	56.3	55.7	55.3
800	378	1359	2.00	500	62.1	61.8	62.2	58.1	57.2	56.6
900	425	1529	2.00	500	63.6	63.1	63.9	59.7	58.6	57.7
1000	472	1699	2.00	500	65.0	64.3	65.3	61.1	59.8	58.8
1100	519	1869	2.00	500	66.3	65.4	66.7	62.4	60.9	59.7
1200	566	2039	2.00	500	67.5	66.4	67.9	63.5	62.0	60.6
1300	614	2209	2.00	500	68.5	67.3	69.0	64.6	62.9	61.3
1400	661	2379	2.00	500	69.5	68.1	70.1	65.6	63.7	62.1
1500	708	2549	2.00	500	70.4	68.9	71.1	66.5	64.6	62.7
1600	755	2718	2.00	500	71.3	69.7	72.0	67.4	65.3	63.4

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	1.00	250	38.4	38.1	34.8	31.5	32.2	34.4
300	142	510	1.00	250	43.8	42.6	40.6	37.0	37.0	38.4
400	189	680	1.00	250	47.7	45.9	44.7	40.9	40.4	41.2
500	236	850	1.00	250	50.7	48.4	47.9	44.0	43.1	43.4
600	283	1019	1.00	250	53.2	50.4	50.5	46.5	45.2	45.2
700	330	1189	1.00	250	55.3	52.1	52.7	48.6	47.1	46.7
800	378	1359	1.00	250	57.1	53.6	54.6	50.4	48.6	48.0
900	425	1529	1.00	250	58.6	55.0	56.3	52.0	50.0	49.2
1000	472	1699	1.00	250	60.1	56.1	57.8	53.5	51.3	50.2
1100	519	1869	1.00	250	61.4	57.2	59.2	54.8	52.4	51.2
1200	566	2039	1.00	250	62.5	58.2	60.4	56.0	53.5	52.0
1300	614	2209	1.00	250	63.6	59.1	61.5	57.1	54.4	52.8
1400	661	2379	1.00	250	64.6	59.9	62.6	58.1	55.3	53.5
1500	708	2549	1.00	250	65.5	60.7	63.6	59.0	56.1	54.2
1600	755	2718	1.00	250	66.4	61.4	64.5	59.9	56.9	54.8

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	2.50	625	45.5	48.7	45.2	42.2	44.0	45.8
300	142	510	2.50	625	50.8	53.3	50.9	47.6	48.7	49.8
400	189	680	2.50	625	54.6	56.6	54.9	51.4	52.0	52.6
500	236	850	2.50	625	57.6	59.1	58.1	54.4	54.6	54.8
600	283	1019	2.50	625	60.0	61.2	60.6	56.8	56.7	56.5
700	330	1189	2.50	625	62.0	62.9	62.8	58.8	58.5	58.0
800	378	1359	2.50	625	63.7	64.5	64.7	60.6	60.0	59.3
900	425	1529	2.50	625	65.3	65.8	66.3	62.2	61.4	60.5
1000	472	1699	2.50	625	66.7	67.0	67.8	63.6	62.6	61.5
1100	519	1869	2.50	625	67.9	68.1	69.1	64.8	63.7	62.5
1200	566	2039	2.50	625	69.1	69.1	70.3	66.0	64.7	63.3
1300	614	2209	2.50	625	70.1	70.0	71.5	67.1	65.6	64.1
1400	661	2379	2.50	625	71.1	70.8	72.5	68.0	66.5	64.8
1500	708	2549	2.50	625	72.0	71.6	73.5	69.0	67.3	65.5
1600	755	2718	2.50	625	72.9	72.3	74.4	69.8	68.0	66.1

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	1.50	375	41.5	42.8	39.4	36.2	37.4	39.5
300	142	510	1.50	375	46.9	47.3	45.1	41.7	42.1	43.4
400	189	680	1.50	375	50.7	50.6	49.2	45.5	45.5	46.3
500	236	850	1.50	375	53.7	53.1	52.4	48.6	48.1	48.4
600	283	1019	1.50	375	56.1	55.2	55.0	51.0	50.3	50.2
700	330	1189	1.50	375	58.2	56.9	57.2	53.1	52.1	51.7
800	378	1359	1.50	375	60.0	58.4	59.0	54.9	53.7	53.0
900	425	1529	1.50	375	61.6	59.7	60.7	56.5	55.0	54.2
1000	472	1699	1.50	375	63.0	60.9	62.2	57.9	56.3	55.2
1100	519	1869	1.50	375	64.2	62.0	63.6	59.2	57.4	56.2
1200	566	2039	1.50	375	65.4	63.0	64.8	60.4	58.4	57.0
1300	614	2209	1.50	375	66.5	63.9	65.9	61.5	59.4	57.8
1400	661	2379	1.50	375	67.5	64.7	67.0	62.5	60.2	58.5
1500	708	2549	1.50	375	68.4	65.5	68.0	63.4	61.0	59.2
1600	755	2718	1.50	375	69.2	66.2	68.9	64.3	61.8	59.8

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	3.00	750	47.0	50.9	47.3	44.4	46.4	48.1
300	142	510	3.00	750	52.3	55.5	53.0	49.7	51.1	52.0
400	189	680	3.00	750	56.0	58.8	57.0	53.5	54.4	54.8
500	236	850	3.00	750	59.0	61.3	60.1	56.5	56.9	57.0
600	283	1019	3.00	750	61.3	63.4	62.6	58.9	59.0	58.8
700	330	1189	3.00	750	63.4	65.1	64.8	60.9	60.8	60.3
800	378	1359	3.00	750	65.1	66.6	66.7	62.7	62.3	61.6
900	425	1529	3.00	750	66.6	68.0	68.3	64.2	63.7	62.8
1000	472	1699	3.00	750	68.0	69.2	69.8	65.6	64.9	63.8
1100	519	1869	3.00	750	69.3	70.3	71.1	66.9	66.0	64.7
1200	566	2039	3.00	750	70.4	71.2	72.3	68.0	67.0	65.6
1300	614	2209	3.00	750	71.4	72.2	73.5	69.1	67.9	66.3
1400	661	2379	3.00	750	72.4	73.0	74.5	70.1	68.7	67.1
1500	708	2549	3.00	750	73.3	73.8	75.5	71.0	69.5	67.7
1600	755	2718	3.00	750	74.2	74.5	76.4	71.8	70.3	68.4

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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Shut Off Valves

Discharge 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	36.5	38.1	39.0	43.9	41.3	32.5
300	142	510	0.60	150	40.7	42.2	39.8	46.9	44.0	34.1
400	189	680	0.60	150	43.6	47.7	42.4	54.3	47.2	41.3
500	236	850	0.60	150	47.1	50.7	44.8	56.3	49.9	45.7
600	283	1019	0.60	150	49.4	52.4	46.3	57.7	51.5	47.5
700	330	1189	0.60	150	51.2	52.9	47.7	58.6	52.5	48.8
800	378	1359	0.60	150	52.9	53.5	49.2	59.5	53.9	50.1
900	425	1529	0.60	150	53.6	54.8	50.3	60.6	54.8	51.2
1000	472	1699	0.60	150	55.3	56.0	51.2	61.1	55.7	52.2
1100	519	1869	0.60	150	56.3	56.9	52.1	61.7	56.3	52.9
1200	566	2039	0.60	150	57.3	57.7	53.1	62.6	57.2	53.8
1300	614	2209	0.60	150	57.9	58.4	53.8	63.1	57.9	54.6
1400	661	2379	0.60	150	58.8	59.0	54.4	63.6	58.5	55.1
1500	708	2549	0.60	150	59.4	59.6	55.0	63.8	58.8	55.6
1600	755	2718	0.60	150	60.0	60.1	55.4	64.3	59.3	56.0
1700	802	2888	0.60	150	61.2	60.7	55.8	64.7	59.6	56.4

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	2.00	500	48.2	48.9	50.6	56.8	56.6	50.1
300	142	510	2.00	500	51.5	53.4	52.1	59.9	58.5	51.7
400	189	680	2.00	500	53.8	55.8	55.1	67.1	61.0	56.3
500	236	850	2.00	500	56.9	60.3	58.0	69.1	63.5	59.6
600	283	1019	2.00	500	58.8	61.8	59.7	70.6	64.8	61.1
700	330	1189	2.00	500	60.5	63.2	60.9	71.8	66.1	62.6
800	378	1359	2.00	500	61.7	64.5	62.1	72.8	67.2	63.8
900	425	1529	2.00	500	63.0	65.5	63.1	73.8	68.1	64.9
1000	472	1699	2.00	500	64.5	66.6	64.0	74.5	69.0	65.8
1100	519	1869	2.00	500	65.3	67.6	64.9	75.3	69.7	66.6
1200	566	2039	2.00	500	66.5	68.3	65.7	76.1	70.4	67.3
1300	614	2209	2.00	500	67.2	69.2	66.4	76.6	71.2	68.1
1400	661	2379	2.00	500	68.0	70.0	67.0	77.2	71.7	68.7
1500	708	2549	2.00	500	68.8	70.6	67.5	77.5	72.2	69.2
1600	755	2718	2.00	500	69.5	71.3	67.9	77.9	72.6	69.6
1700	802	2888	2.00	500	70.6	71.8	68.3	78.4	73.0	70.1

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	1.00	250	41.5	41.4	44.3	49.6	48.1	40.8
300	142	510	1.00	250	45.0	47.1	45.1	52.5	50.1	41.5
400	189	680	1.00	250	47.6	51.0	47.8	59.7	53.1	47.6
500	236	850	1.00	250	51.1	54.9	50.5	61.7	55.7	51.6
600	283	1019	1.00	250	53.2	56.7	52.0	63.2	57.1	53.3
700	330	1189	1.00	250	55.0	57.4	53.3	64.2	58.3	54.6
800	378	1359	1.00	250	56.6	58.2	54.7	65.1	59.5	55.9
900	425	1529	1.00	250	57.5	59.3	55.7	66.1	60.5	56.9
1000	472	1699	1.00	250	59.2	60.5	56.7	66.8	61.3	57.9
1100	519	1869	1.00	250	60.2	61.4	57.5	67.5	62.0	58.7
1200	566	2039	1.00	250	61.2	62.2	58.4	68.3	62.8	59.5
1300	614	2209	1.00	250	61.8	63.0	59.1	68.8	63.5	60.4
1400	661	2379	1.00	250	62.6	63.6	59.7	69.3	64.1	60.9
1500	708	2549	1.00	250	63.3	64.2	60.3	69.6	64.5	61.4
1600	755	2718	1.00	250	64.0	64.8	60.7	70.0	65.0	61.7
1700	802	2888	1.00	250	65.2	65.4	61.1	70.5	65.3	62.2

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	49.6	50.4	52.3	59.2	59.1	53.3
300	142	510	2.50	625	53.2	55.1	54.5	62.3	61.3	55.0
400	189	680	2.50	625	55.9	57.5	57.5	69.5	63.5	59.1
500	236	850	2.50	625	58.3	62.0	60.4	71.5	66.0	62.1
600	283	1019	2.50	625	60.1	63.8	62.1	72.9	67.2	63.7
700	330	1189	2.50	625	61.7	65.0	63.3	74.2	68.6	65.1
800	378	1359	2.50	625	62.9	66.3	64.5	75.3	69.7	66.3
900	425	1529	2.50	625	64.2	67.5	65.5	76.3	70.6	67.4
1000	472	1699	2.50	625	65.7	68.6	66.4	77.1	71.4	68.3
1100	519	1869	2.50	625	66.5	69.6	67.3	77.8	72.2	69.1
1200	566	2039	2.50	625	67.6	70.3	68.1	78.6	72.9	69.9
1300	614	2209	2.50	625	68.7	71.2	68.8	79.2	73.6	70.6
1400	661	2379	2.50	625	69.7	72.0	69.3	79.7	74.2	71.2
1500	708	2549	2.50	625	70.5	72.7	69.8	80.0	74.7	71.7
1600	755	2718	2.50	625	71.3	73.3	70.3	80.5	75.1	72.1
1700	802	2888	2.50	625	72.2	73.8	70.7	80.9	75.5	72.6

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	1.50	375	45.7	46.0	48.0	53.8	53.4	47.6
300	142	510	1.50	375	48.7	50.8	49.2	56.8	55.0	47.4
400	189	680	1.50	375	51.1	53.8	52.1	64.0	57.7	52.7
500	236	850	1.50	375	54.4	58.0	54.9	66.0	60.3	56.2
600	283	1019	1.50	375	56.4	60.1	56.5	67.5	61.6	57.9
700	330	1189	1.50	375	58.2	61.0	57.7	68.6	62.8	59.3
800	378	1359	1.50	375	59.7	61.8	59.0	69.6	64.0	60.6
900	425	1529	1.50	375	60.7	62.9	60.0	70.6	64.9	61.7
1000	472	1699	1.50	375	62.3	64.0	61.0	71.3	65.8	62.6
1100	519	1869	1.50	375	63.4	65.0	61.8	72.0	66.5	63.3
1200	566	2039	1.50	375	64.4	65.8	62.7	72.8	67.3	64.1
1300	614	2209	1.50	375	64.9	66.6	63.4	73.4	68.0	64.9
1400	661	2379	1.50	375	65.7	67.4	63.9	73.9	68.6	65.4
1500	708	2549	1.50	375	66.5	68.0	64.5	74.2	69.0	65.9
1600	755	2718	1.50	375	67.2	68.7	64.9	74.6	69.4	66.3
1700	802	2888	1.50	375	68.3	69.3	65.3	75.1	69.8	66.8

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	3.00	750	50.7	52.6	53.8	61.1	61.2	57.4
300	142	510	3.00	750	54.2	56.6	56.4	64.3	63.6	57.7
400	189	680	3.00	750	57.2	58.9	59.5	71.4	65.6	61.4
500	236	850	3.00	750	59.4	63.5	62.3	73.4	68.1	64.2
600	283	1019	3.00	750	61.2	65.4	64.1	74.9	69.2	65.7
700	330	1189	3.00	750	62.8	66.7	65.3	76.2	70.6	67.2
800	378	1359	3.00	750	63.9	68.0	66.4	77.3	71.7	68.4
900	425	1529	3.00	750	65.2	69.1	67.4	78.3	72.6	69.5
1000	472	1699	3.00	750	66.7	70.2	68.4	79.1	73.4	70.4
1100	519	1869	3.00	750	67.4	71.3	69.2	79.9	74.2	71.2
1200	566	2039	3.00	750	68.6	71.9	70.0	80.7	74.9	72.0
1300	614	2209	3.00	750	69.6	72.8	70.7	81.3	75.6	72.7
1400	661	2379	3.00	750	70.6	73.6	71.2	81.8	76.2	73.3
1500	708	2549	3.00	750	71.4	74.3	71.8	82.1	76.7	73.8
1600	755	2718	3.00	750	72.3	74.9	72.2	82.6	77.1	74.2
1700	802	2888	3.00	750	73.1	75.5	72.6	83.0	77.5	74.7

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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Shut Off Valves

Discharge Sound Power Level Performance Data

Size 210 with Neutralizer

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	36.5	38.1	39.0	30.1	32.1	24.2
300	142	510	0.60	150	40.7	42.2	39.8	33.4	35.0	25.7
400	189	680	0.60	150	43.6	47.7	42.4	41.0	38.0	32.8
500	236	850	0.60	150	47.1	50.7	44.8	42.2	40.5	36.8
600	283	1019	0.60	150	49.4	52.4	46.3	43.7	42.0	38.6
700	330	1189	0.60	150	51.2	52.9	47.7	44.7	42.9	40.2
800	378	1359	0.60	150	52.9	53.5	49.2	45.7	44.3	41.5
900	425	1529	0.60	150	53.6	54.8	50.3	46.7	45.6	42.8
1000	472	1699	0.60	150	55.3	56.0	51.2	47.5	46.5	43.9
1100	519	1869	0.60	150	56.3	56.9	52.1	48.1	47.5	44.0
1200	566	2039	0.60	150	57.3	57.7	53.1	49.1	48.6	45.1
1300	614	2209	0.60	150	57.9	58.4	53.8	49.8	48.5	45.9
1400	661	2379	0.60	150	58.8	59.0	54.4	49.5	49.2	46.3
1500	708	2549	0.60	150	59.4	59.6	55.0	49.9	49.6	46.8
1600	755	2718	0.60	150	60.0	60.1	55.4	50.5	50.0	47.2
1700	802	2888	0.60	150	61.2	60.7	55.8	51.1	50.1	48.2

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	2.00	500	48.2	48.9	50.6	43.0	47.4	41.8
300	142	510	2.00	500	51.5	53.4	52.1	46.5	49.5	43.3
400	189	680	2.00	500	53.8	55.8	55.1	53.8	51.8	47.8
500	236	850	2.00	500	56.9	60.3	58.0	55.0	54.1	50.7
600	283	1019	2.00	500	58.8	61.8	59.7	56.6	55.3	52.3
700	330	1189	2.00	500	60.5	63.2	60.9	57.8	56.5	53.9
800	378	1359	2.00	500	61.7	64.5	62.1	59.0	57.6	55.3
900	425	1529	2.00	500	63.0	65.5	63.1	60.0	58.8	56.5
1000	472	1699	2.00	500	64.5	66.6	64.0	60.9	59.8	57.6
1100	519	1869	2.00	500	65.3	67.6	64.9	61.7	60.9	57.7
1200	566	2039	2.00	500	66.5	68.3	65.7	62.5	61.8	58.6
1300	614	2209	2.00	500	67.2	69.2	66.4	63.3	61.8	59.4
1400	661	2379	2.00	500	68.0	70.0	67.0	63.1	62.4	59.9
1500	708	2549	2.00	500	68.8	70.6	67.5	63.6	63.0	60.4
1600	755	2718	2.00	500	69.5	71.3	67.9	64.1	63.3	60.8
1700	802	2888	2.00	500	70.6	71.8	68.3	64.8	63.5	61.9

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	1.00	250	41.5	41.4	44.3	35.8	38.9	32.5
300	142	510	1.00	250	45.0	47.1	45.1	39.1	41.1	33.1
400	189	680	1.00	250	47.6	51.0	47.8	46.4	43.9	39.1
500	236	850	1.00	250	51.1	54.9	50.5	47.6	46.3	42.7
600	283	1019	1.00	250	53.2	56.7	52.0	49.2	47.6	44.4
700	330	1189	1.00	250	55.0	57.4	53.3	50.2	48.7	45.9
800	378	1359	1.00	250	56.6	58.2	54.7	51.3	49.9	47.3
900	425	1529	1.00	250	57.5	59.3	55.7	52.3	51.2	48.5
1000	472	1699	1.00	250	59.2	60.5	56.7	53.1	52.2	49.7
1100	519	1869	1.00	250	60.2	61.4	57.5	53.9	53.2	49.8
1200	566	2039	1.00	250	61.2	62.2	58.4	54.7	54.2	50.8
1300	614	2209	1.00	250	61.8	63.0	59.1	55.5	54.1	51.7
1400	661	2379	1.00	250	62.6	63.6	59.7	55.2	54.8	52.1
1500	708	2549	1.00	250	63.3	64.2	60.3	55.7	55.3	52.6
1600	755	2718	1.00	250	64.0	64.8	60.7	56.2	55.7	52.9
1700	802	2888	1.00	250	65.2	65.4	61.1	56.9	55.8	54.1

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	49.6	50.4	52.3	45.4	49.9	45.0
300	142	510	2.50	625	53.2	55.1	54.5	48.9	52.3	46.6
400	189	680	2.50	625	55.9	57.5	57.5	56.2	54.3	50.8
500	236	850	2.50	625	58.3	62.0	60.4	57.4	56.8	53.6
600	283	1019	2.50	625	60.1	63.8	62.1	58.7	57.9	55.1
700	330	1189	2.50	625	61.7	65.0	63.3	59.9	59.1	56.7
800	378	1359	2.50	625	62.9	66.3	64.5	61.1	60.2	58.0
900	425	1529	2.50	625	64.2	67.5	65.5	62.1	61.4	59.2
1000	472	1699	2.50	625	65.7	68.6	66.4	63.0	62.3	60.3
1100	519	1869	2.50	625	66.5	69.6	67.3	63.8	63.3	60.2
1200	566	2039	2.50	625	67.6	70.3	68.1	64.6	64.2	61.2
1300	614	2209	2.50	625	68.7	71.2	68.8	65.4	64.2	61.9
1400	661	2379	2.50	625	69.7	72.0	69.3	65.6	64.9	62.4
1500	708	2549	2.50	625	70.5	72.7	69.8	66.1	65.5	62.9
1600	755	2718	2.50	625	71.3	73.3	70.3	66.7	65.8	63.3
1700	802	2888	2.50	625	72.2	73.8	70.7	67.3	66.0	64.7

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	1.50	375	45.7	46.0	48.0	40.0	44.2	39.3
300	142	510	1.50	375	48.7	50.8	49.2	43.4	46.0	39.0
400	189	680	1.50	375	51.1	53.8	52.1	50.7	48.5	44.2
500	236	850	1.50	375	54.4	58.0	54.9	51.9	50.9	47.4
600	283	1019	1.50	375	56.4	60.1	56.5	53.5	52.1	49.0
700	330	1189	1.50	375	58.2	61.0	57.7	54.7	53.3	50.7
800	378	1359	1.50	375	59.7	61.8	59.0	55.8	54.4	52.0
900	425	1529	1.50	375	60.7	62.9	60.0	56.8	55.7	53.2
1000	472	1699	1.50	375	62.3	64.0	61.0	57.7	56.6	54.4
1100	519	1869	1.50	375	63.4	65.0	61.8	58.4	57.7	54.4
1200	566	2039	1.50	375	64.4	65.8	62.7	59.3	58.7	55.4
1300	614	2209	1.50	375	64.9	66.6	63.4	60.1	58.6	56.2
1400	661	2379	1.50	375	65.7	67.4	63.9	59.8	59.3	56.6
1500	708	2549	1.50	375	66.5	68.0	64.5	60.3	59.8	57.1
1600	755	2718	1.50	375	67.2	68.7	64.9	60.8	60.1	57.5
1700	802	2888	1.50	375	68.3	69.3	65.3	61.5	60.3	58.6

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	3.00	750	50.7	52.6	53.8	47.3	52.0	49.1
300	142	510	3.00	750	54.2	56.6	56.4	50.9	54.6	49.3
400	189	680	3.00	750	57.2	58.9	59.5	58.1	56.4	53.1
500	236	850	3.00	750	59.4	63.5	62.3	59.3	58.9	55.7
600	283	1019	3.00	750	61.2	65.4	64.1	60.6	59.9	57.2
700	330	1189	3.00	750	62.8	66.7	65.3	61.9	61.2	58.8
800	378	1359	3.00	750	63.9	68.0	66.4	63.1	62.2	60.1
900	425	1529	3.00	750	65.2	69.1	67.4	64.1	63.4	61.3
1000	472	1699	3.00	750	66.7	70.2	68.4	65.1	64.3	62.4
1100	519	1869	3.00	750	67.4	71.3	69.2	65.9	65.3	62.3
1200	566	2039	3.00	750	68.6	71.9	70.0	66.7	66.2	63.3
1300	614	2209	3.00	750	69.6	72.8	70.7	67.5	66.2	64.0
1400	661	2379	3.00	750	70.6	73.6	71.2	67.7	66.9	64.5
1500	708	2549	3.00	750	71.4	74.3	71.8	68.2	67.5	65.0
1600	755	2718	3.00	750	72.3	74.9	72.2	68.8	67.8	65.4
1700	802	2888	3.00	750	73.1	75.5	72.6	69.4	68.0	66.8

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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Shut Off Valves

Discharge Sound Power Level Performance Data

Size 212

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	0.60	150	45.3	38.9	43.0	51.7	40.4	38.3
600	283	1019	0.60	150	46.6	43.6	46.8	55.7	44.3	42.0
800	378	1359	0.60	150	49.1	47.0	49.1	58.1	48.1	46.2
1000	472	1699	0.60	150	51.1	50.2	50.7	59.6	50.9	48.9
1200	566	2039	0.60	150	53.7	53.4	52.3	60.7	53.1	51.3
1400	661	2379	0.60	150	55.3	56.0	53.4	62.0	55.1	53.4
1600	755	2718	0.60	150	57.4	58.1	54.4	62.9	56.9	55.2
1800	850	3058	0.60	150	59.3	59.4	55.2	63.4	58.6	57.0
2000	944	3398	0.60	150	60.9	60.7	56.1	64.1	60.2	58.1
2200	1038	3738	0.60	150	63.0	61.9	57.0	65.0	61.1	58.5
2400	1133	4078	0.60	150	64.9	62.9	57.7	65.6	61.2	58.7
2600	1227	4417	0.60	150	66.0	63.9	58.4	66.1	61.3	58.9

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	2.00	500	52.2	52.1	55.4	64.5	54.3	51.8
600	283	1019	2.00	500	55.3	57.3	59.4	68.2	57.5	55.3
800	378	1359	2.00	500	57.7	61.2	61.7	70.8	60.5	58.8
1000	472	1699	2.00	500	59.9	64.8	63.3	72.5	63.2	61.3
1200	566	2039	2.00	500	62.5	68.1	64.8	73.9	65.1	63.5
1400	661	2379	2.00	500	64.2	71.0	65.9	75.2	66.9	65.4
1600	755	2718	2.00	500	66.1	72.5	67.0	76.2	68.5	67.2
1800	850	3058	2.00	500	67.5	73.2	67.7	76.9	70.0	68.8
2000	944	3398	2.00	500	68.3	74.1	68.5	77.7	71.4	69.8
2200	1038	3738	2.00	500	69.9	75.1	69.4	78.3	72.4	70.3
2400	1133	4078	2.00	500	70.7	73.2	70.2	79.0	73.0	70.8
2600	1227	4417	2.00	500	71.8	76.0	70.9	79.4	73.4	71.3

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	1.00	250	48.2	44.5	48.3	57.1	46.3	44.0
600	283	1019	1.00	250	50.3	49.4	52.2	61.0	49.9	47.6
800	378	1359	1.00	250	52.7	53.0	54.4	63.5	53.3	51.5
1000	472	1699	1.00	250	54.8	56.3	56.1	65.1	56.1	54.1
1200	566	2039	1.00	250	57.4	59.6	57.6	66.3	58.2	56.4
1400	661	2379	1.00	250	59.1	62.3	58.7	67.6	60.1	58.4
1600	755	2718	1.00	250	61.0	64.5	59.7	68.5	61.8	60.2
1800	850	3058	1.00	250	62.7	65.5	60.5	69.1	63.4	61.9
2000	944	3398	1.00	250	63.9	66.5	61.4	69.8	64.9	63.0
2200	1038	3738	1.00	250	65.9	67.5	62.3	70.7	65.9	63.4
2400	1133	4078	1.00	250	67.3	68.1	63.0	71.3	66.2	63.8
2600	1227	4417	1.00	250	68.3	69.0	63.7	71.7	66.4	64.0

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	2.50	625	53.5	54.6	57.8	66.8	56.9	54.4
600	283	1019	2.50	625	56.9	59.9	61.8	70.5	59.9	57.9
800	378	1359	2.50	625	59.3	63.9	64.0	73.2	62.9	61.3
1000	472	1699	2.50	625	61.5	67.6	65.7	74.9	65.4	63.7
1200	566	2039	2.50	625	64.2	70.9	67.1	76.4	67.3	65.8
1400	661	2379	2.50	625	65.9	73.7	68.2	77.6	69.1	67.7
1600	755	2718	2.50	625	67.7	74.9	69.3	78.7	70.7	69.4
1800	850	3058	2.50	625	69.0	75.7	70.0	78.9	72.1	71.0
2000	944	3398	2.50	625	69.8	76.6	70.8	80.2	73.5	72.0
2200	1038	3738	2.50	625	71.2	77.5	71.7	80.8	74.5	72.5
2400	1133	4078	2.50	625	71.9	75.6	72.5	81.4	75.1	73.1
2600	1227	4417	2.50	625	72.9	78.3	73.2	81.9	75.6	73.9

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	1.50	375	50.6	48.9	52.5	61.4	51.0	48.5
600	283	1019	1.50	375	53.2	54.0	56.4	65.3	54.3	52.1
800	378	1359	1.50	375	55.6	57.8	58.7	67.8	57.5	55.8
1000	472	1699	1.50	375	57.8	61.3	60.3	69.4	60.2	58.3
1200	566	2039	1.50	375	60.4	64.6	61.8	70.8	62.3	60.5
1400	661	2379	1.50	375	62.1	67.4	62.9	72.0	64.1	62.5
1600	755	2718	1.50	375	63.9	69.3	64.0	73.0	65.7	64.3
1800	850	3058	1.50	375	65.4	70.1	64.7	73.7	67.3	65.9
2000	944	3398	1.50	375	66.5	71.0	65.5	74.4	68.7	67.0
2200	1038	3738	1.50	375	68.2	72.0	66.5	75.2	69.7	67.4
2400	1133	4078	1.50	375	69.3	72.5	67.2	75.8	70.2	67.8
2600	1227	4417	1.50	375	70.3	73.0	67.9	76.2	70.5	67.9

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	3.00	750	54.6	56.6	59.6	68.7	59.1	56.5
600	283	1019	3.00	750	58.2	62.0	63.7	72.3	61.9	60.0
800	378	1359	3.00	750	60.6	66.1	65.9	75.1	64.8	63.3
1000	472	1699	3.00	750	62.9	69.8	67.6	76.9	67.3	65.6
1200	566	2039	3.00	750	65.5	73.2	69.0	78.4	69.2	67.7
1400	661	2379	3.00	750	67.3	75.8	70.1	79.6	70.9	69.6
1600	755	2718	3.00	750	69.1	77.0	71.2	80.7	72.4	71.3
1800	850	3058	3.00	750	70.4	77.8	71.9	80.7	74.0	72.9
2000	944	3398	3.00	750	71.0	78.6	72.7	82.2	75.1	73.8
2200	1038	3738	3.00	750	72.3	79.5	73.6	82.8	76.2	74.4
2400	1133	4078	3.00	750	72.9	77.6	74.4	83.5	76.9	75.0
2600	1227	4417	3.00	750	73.9	80.3	75.1	83.9	77.5	75.2

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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Shut Off Valves

Discharge Sound Power Level Performance Data

Size 212 with Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	0.60	150	45.3	38.9	43.0	41.7	32.4	31.3
600	283	1019	0.60	150	46.6	43.6	46.8	45.7	36.3	35.0
800	378	1359	0.60	150	49.1	47.0	49.1	48.1	40.1	39.2
1000	472	1699	0.60	150	51.1	50.2	50.7	49.6	42.9	41.9
1200	566	2039	0.60	150	53.7	53.4	52.3	50.7	45.1	44.3
1400	661	2379	0.60	150	55.3	56.0	53.4	52.0	47.1	46.4
1600	755	2718	0.60	150	57.4	58.1	54.4	52.9	48.9	48.2
1800	850	3058	0.60	150	59.3	59.4	55.2	53.4	50.6	50.0
2000	944	3398	0.60	150	60.9	60.7	56.1	54.1	52.2	51.1
2200	1038	3738	0.60	150	63.0	61.9	57.0	55.0	53.1	51.5
2400	1133	4078	0.60	150	64.9	62.9	57.7	55.6	53.2	51.7
2600	1227	4417	0.60	150	66.0	63.9	58.4	56.1	53.3	51.9

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	2.00	500	52.2	52.1	55.4	54.5	46.3	44.8
600	283	1019	2.00	500	55.3	57.3	59.4	58.2	49.5	48.3
800	378	1359	2.00	500	57.7	61.2	61.7	60.8	52.5	51.8
1000	472	1699	2.00	500	59.9	64.8	63.3	62.5	55.2	54.3
1200	566	2039	2.00	500	62.5	68.1	64.8	63.9	57.1	56.5
1400	661	2379	2.00	500	64.2	71.0	65.9	65.2	58.9	58.4
1600	755	2718	2.00	500	66.1	72.5	67.0	66.2	60.5	60.2
1800	850	3058	2.00	500	67.5	73.2	67.7	66.9	62.0	61.8
2000	944	3398	2.00	500	68.3	74.1	68.5	67.7	63.4	62.8
2200	1038	3738	2.00	500	69.9	75.1	69.4	68.3	64.4	63.3
2400	1133	4078	2.00	500	70.7	73.2	70.2	69.0	65.0	63.8
2600	1227	4417	2.00	500	71.8	76.0	70.9	69.4	65.4	64.3

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	1.00	250	48.2	44.5	48.3	47.1	38.3	37.0
600	283	1019	1.00	250	50.3	49.4	52.2	51.0	41.9	40.6
800	378	1359	1.00	250	52.7	53.0	54.4	53.5	45.3	44.5
1000	472	1699	1.00	250	54.8	56.3	56.1	55.1	48.1	47.1
1200	566	2039	1.00	250	57.4	59.6	57.6	56.3	50.2	49.4
1400	661	2379	1.00	250	59.1	62.3	58.7	57.6	52.1	51.4
1600	755	2718	1.00	250	61.0	64.5	59.7	58.5	53.8	53.2
1800	850	3058	1.00	250	62.7	65.5	60.5	59.1	55.4	54.9
2000	944	3398	1.00	250	63.9	66.5	61.4	59.8	56.9	56.0
2200	1038	3738	1.00	250	65.9	67.5	62.3	60.7	57.9	56.4
2400	1133	4078	1.00	250	67.3	68.1	63.0	61.3	58.2	56.8
2600	1227	4417	1.00	250	68.3	69.0	63.7	61.7	58.4	57.0

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	2.50	625	53.5	54.6	57.8	56.8	48.9	47.4
600	283	1019	2.50	625	56.9	59.9	61.8	60.5	51.9	50.9
800	378	1359	2.50	625	59.3	63.9	64.0	63.2	54.9	54.3
1000	472	1699	2.50	625	61.5	67.6	65.7	64.9	57.4	56.7
1200	566	2039	2.50	625	64.2	70.9	67.1	66.4	59.3	58.8
1400	661	2379	2.50	625	65.9	73.7	68.2	67.6	61.1	60.7
1600	755	2718	2.50	625	67.7	74.9	69.3	68.7	62.7	62.4
1800	850	3058	2.50	625	69.0	75.7	70.0	68.9	64.1	64.0
2000	944	3398	2.50	625	69.8	76.6	70.8	70.2	65.5	65.0
2200	1038	3738	2.50	625	71.2	77.5	71.7	70.8	66.5	65.5
2400	1133	4078	2.50	625	71.9	75.6	72.5	71.4	67.1	66.1
2600	1227	4417	2.50	625	72.9	78.3	73.2	71.9	67.6	66.9

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	1.50	375	50.6	48.9	52.5	51.4	43.0	41.5
600	283	1019	1.50	375	53.2	54.0	56.4	55.3	46.3	45.1
800	378	1359	1.50	375	55.6	57.8	58.7	57.8	49.5	48.8
1000	472	1699	1.50	375	57.8	61.3	60.3	59.4	52.2	51.3
1200	566	2039	1.50	375	60.4	64.6	61.8	60.8	54.3	53.5
1400	661	2379	1.50	375	62.1	67.4	62.9	62.0	56.1	55.5
1600	755	2718	1.50	375	63.9	69.3	64.0	63.0	57.7	57.3
1800	850	3058	1.50	375	65.4	70.1	64.7	63.7	59.3	58.9
2000	944	3398	1.50	375	66.5	71.0	65.5	64.4	60.7	60.0
2200	1038	3738	1.50	375	68.2	72.0	66.5	65.2	61.7	60.4
2400	1133	4078	1.50	375	69.3	72.5	67.2	65.8	62.2	60.8
2600	1227	4417	1.50	375	70.3	73.0	67.9	66.2	62.5	60.9

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
cfm	L/s	m ³ /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	3.00	750	54.6	56.6	59.6	58.7	51.1	49.5
600	283	1019	3.00	750	58.2	62.0	63.7	62.3	53.9	53.0
800	378	1359	3.00	750	60.6	66.1	65.9	65.1	56.8	56.3
1000	472	1699	3.00	750	62.9	69.8	67.6	66.9	59.3	58.6
1200	566	2039	3.00	750	65.5	73.2	69.0	68.4	61.2	60.7
1400	661	2379	3.00	750	67.3	75.8	70.1	69.6	62.9	62.6
1600	755	2718	3.00	750	69.1	77.0	71.2	70.7	64.4	64.3
1800	850	3058	3.00	750	70.4	77.8	71.9	70.7	66.0	65.9
2000	944	3398	3.00	750	71.0	78.6	72.7	72.2	67.1	66.8
2200	1038	3738	3.00	750	72.3	79.5	73.6	72.8	68.2	67.4
2400	1133	4078	3.00	750	72.9	77.6	74.4	73.5	68.9	68.0
2600	1227	4417	3.00	750	73.9	80.3	75.1	73.9	69.5	68.2

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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Medium Pressure Shut Off Valves Discharge 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	40.6	48.2	55.1	52.0	39.8	18.5
600	283	1019	0.60	150	46.2	51.7	57.0	53.3	42.6	21.8
800	378	1359	0.60	150	51.8	53.7	58.8	54.6	45.4	25.0
1000	472	1699	0.60	150	55.1	55.5	59.9	55.8	47.7	28.5
1200	566	2039	0.60	150	58.4	57.3	60.9	57.0	50.0	32.1
1400	661	2379	0.60	150	60.8	59.5	61.7	58.0	51.8	34.8
1600	755	2718	0.60	150	63.1	61.8	62.5	59.0	53.6	37.5
1800	850	3058	0.60	150	64.9	63.9	63.2	59.9	54.9	39.6
2000	944	3398	0.60	150	66.8	66.0	63.9	60.8	56.3	41.8
2200	1038	3738	0.60	150	68.3	67.9	64.5	61.6	57.5	43.5
2400	1133	4078	0.60	150	69.8	69.7	65.0	62.4	58.6	45.3
2600	1227	4417	0.60	150	71.0	71.3	65.6	63.1	59.6	46.8
2800	1321	4757	0.60	150	72.2	73.0	66.1	63.8	60.6	48.2
3000	1416	5097	0.60	150	73.1	74.4	66.6	64.4	61.4	49.5
3200	1510	5437	0.60	150	73.9	75.8	67.1	65.1	62.3	50.8

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	2.00	500	50.0	59.3	67.1	64.6	53.0	31.0
600	283	1019	2.00	500	55.6	63.2	68.9	65.9	56.0	34.7
800	378	1359	2.00	500	61.2	64.4	70.7	67.1	59.0	38.4
1000	472	1699	2.00	500	64.5	66.8	71.8	68.2	61.3	42.0
1200	566	2039	2.00	500	67.8	69.2	72.8	69.4	63.6	45.6
1400	661	2379	2.00	500	70.2	71.7	73.7	70.4	65.4	48.3
1600	755	2718	2.00	500	72.5	74.2	74.5	71.4	67.2	51.0
1800	850	3058	2.00	500	74.3	76.3	75.2	72.3	68.6	53.1
2000	944	3398	2.00	500	76.2	78.4	75.8	73.2	69.9	55.2
2200	1038	3738	2.00	500	77.6	80.3	76.4	74.0	71.1	57.0
2400	1133	4078	2.00	500	79.1	82.1	77.0	74.8	72.2	58.7
2600	1227	4417	2.00	500	80.2	83.7	77.6	75.5	73.2	60.2
2800	1321	4757	2.00	500	81.3	85.3	78.1	76.2	74.2	61.7
3000	1416	5097	2.00	500	82.1	86.7	78.6	76.9	75.0	63.0
3200	1510	5437	2.00	500	83.0	88.1	79.1	77.5	75.9	64.3

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	1.00	250	44.6	52.9	60.2	57.4	45.4	23.7
600	283	1019	1.00	250	50.2	56.6	62.0	58.7	48.3	27.2
800	378	1359	1.00	250	55.8	58.2	63.8	59.9	51.2	30.7
1000	472	1699	1.00	250	59.1	60.2	64.9	61.1	53.5	34.3
1200	566	2039	1.00	250	62.4	62.3	66.0	62.2	55.8	37.8
1400	661	2379	1.00	250	64.7	64.7	66.8	63.2	57.6	40.5
1600	755	2718	1.00	250	67.1	67.0	67.6	64.3	59.3	43.2
1800	850	3058	1.00	250	68.9	69.2	68.3	65.2	60.7	45.4
2000	944	3398	1.00	250	70.7	71.3	68.9	66.1	62.1	47.5
2200	1038	3738	1.00	250	72.2	73.1	69.5	66.9	63.3	49.2
2400	1133	4078	1.00	250	73.7	75.0	70.1	67.6	64.4	51.0
2600	1227	4417	1.00	250	75.0	76.6	70.6	68.4	65.4	52.5
2800	1321	4757	1.00	250	76.0	78.2	71.2	69.1	66.3	53.9
3000	1416	5097	1.00	250	76.9	79.6	71.7	69.7	67.2	55.2
3200	1510	5437	1.00	250	77.8	81.1	72.2	70.4	68.0	56.5

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	51.7	61.4	69.3	69.2	58.0	36.0
600	283	1019	2.50	625	57.3	64.0	71.1	70.5	61.0	39.8
800	378	1359	2.50	625	62.9	66.6	72.9	71.7	64.0	43.5
1000	472	1699	2.50	625	66.2	69.1	74.0	72.8	66.4	47.1
1200	566	2039	2.50	625	69.5	71.6	75.1	74.0	68.7	50.7
1400	661	2379	2.50	625	71.9	74.0	75.9	75.0	70.5	53.5
1600	755	2718	2.50	625	74.2	76.5	76.7	76.0	72.2	56.2
1800	850	3058	2.50	625	76.1	78.7	77.4	76.9	73.6	58.3
2000	944	3398	2.50	625	77.9	80.8	78.1	77.8	75.0	60.4
2200	1038	3738	2.50	625	79.4	82.6	78.7	78.6	76.2	62.2
2400	1133	4078	2.50	625	80.9	84.4	79.3	79.4	77.3	63.9
2600	1227	4417	2.50	625	81.9	86.0	79.8	80.1	78.3	65.4
2800	1321	4757	2.50	625	83.0	87.6	80.4	80.8	79.3	66.9
3000	1416	5097	2.50	625	83.8	89.0	80.9	81.5	80.1	68.1
3200	1510	5437	2.50	625	84.7	90.4	81.4	82.1	81.0	69.4

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	1.50	375	47.7	56.7	64.2	61.7	49.9	28.0
600	283	1019	1.50	375	53.3	60.5	66.0	62.9	52.8	31.6
800	378	1359	1.50	375	59.0	61.8	67.8	64.1	55.7	35.2
1000	472	1699	1.50	375	62.3	64.1	68.9	65.2	58.1	38.8
1200	566	2039	1.50	375	65.6	66.3	70.0	66.4	60.4	42.4
1400	661	2379	1.50	375	67.9	68.8	70.8	67.4	62.1	45.1
1600	755	2718	1.50	375	70.3	71.2	71.6	68.4	63.9	47.8
1800	850	3058	1.50	375	72.1	73.3	72.3	69.3	65.3	49.9
2000	944	3398	1.50	375	73.9	75.5	73.0	70.2	66.7	52.0
2200	1038	3738	1.50	375	75.4	77.3	73.6	71.0	67.8	53.8
2400	1133	4078	1.50	375	76.9	79.1	74.2	71.8	69.0	55.5
2600	1227	4417	1.50	375	78.0	80.7	74.7	72.6	70.0	57.0
2800	1321	4757	1.50	375	79.1	82.3	75.2	73.3	70.9	58.5
3000	1416	5097	1.50	375	80.0	83.8	75.7	73.9	71.8	59.8
3200	1510	5437	1.50	375	80.8	85.2	76.2	74.6	72.6	61.0

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	3.00	750	53.1	63.1	71.1	68.9	57.5	35.3
600	283	1019	3.00	750	58.7	65.7	72.9	70.1	60.5	39.1
800	378	1359	3.00	750	64.4	68.2	74.7	71.3	63.5	42.9
1000	472	1699	3.00	750	67.7	70.8	75.8	72.4	65.9	46.5
1200	566	2039	3.00	750	71.0	73.4	76.9	73.6	68.2	50.2
1400	661	2379	3.00	750	73.3	75.9	77.7	74.6	70.0	52.9
1600	755	2718	3.00	750	75.6	78.4	78.5	75.6	71.8	55.6
1800	850	3058	3.00	750	77.5	80.5	79.2	76.5	73.1	57.7
2000	944	3398	3.00	750	79.3	82.7	79.9	77.4	74.5	59.8
2200	1038	3738	3.00	750	80.8	84.5	80.5	78.2	75.7	61.6
2400	1133	4078	3.00	750	82.3	86.3	81.1	79.0	76.8	63.3
2600	1227	4417	3.00	750	83.3	87.9	81.7	79.7	77.8	64.8
2800	1321	4757	3.00	750	84.3	89.4	82.2	80.4	78.8	66.3
3000	1416	5097	3.00	750	85.2	90.8	82.7	81.1	79.6	67.5
3200	1510	5437	3.00	750	86.1	92.2	83.2	81.7	80.5	68.8

Notes

- All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
- DPS is the difference in static pressure across the valve.
- Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls

Accel II Airflow Control Valves

Medium Pressure Shut Off Valves

Discharge Sound Power Level Performance Data

Size 214 with Neutralizer

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	40.6	48.2	55.1	46.0	34.7	14.7	
600	283	1019	0.60	150	46.2	51.7	57.0	47.3	37.6	17.9	
800	378	1359	0.60	150	51.8	53.7	58.8	48.6	40.4	21.2	
1000	472	1699	0.60	150	55.1	55.5	59.9	49.7	42.7	24.7	
1200	566	2039	0.60	150	58.4	57.3	60.9	50.9	45.0	28.2	
1400	661	2379	0.60	150	60.8	59.5	61.7	51.9	46.8	30.9	
1600	755	2718	0.60	150	63.1	61.8	62.5	52.9	48.5	33.7	
1800	850	3058	0.60	150	64.9	63.9	63.2	53.8	49.9	35.8	
2000	944	3398	0.60	150	66.8	66.0	63.9	54.7	51.3	37.9	
2200	1038	3738	0.60	150	68.3	67.9	64.5	55.5	52.4	39.7	
2400	1133	4078	0.60	150	69.8	69.7	65.0	56.3	53.6	41.4	
2600	1227	4417	0.60	150	71.0	71.3	65.6	57.0	54.6	42.9	
2800	1321	4757	0.60	150	72.2	73.0	66.1	57.7	55.5	44.4	
3000	1416	5097	0.60	150	73.1	74.4	66.6	58.4	56.4	45.7	
3200	1510	5437	0.60	150	73.9	75.8	67.1	59.0	57.2	47.0	
400	189	680	1.00	250	44.6	52.9	60.2	51.4	40.4	19.9	
600	283	1019	1.00	250	50.2	56.6	62.0	52.6	43.2	23.4	
800	378	1359	1.00	250	55.8	58.2	63.8	53.8	46.1	26.9	
1000	472	1699	1.00	250	59.1	60.2	64.9	55.0	48.4	30.4	
1200	566	2039	1.00	250	62.4	62.3	66.0	56.2	50.8	34.0	
1400	661	2379	1.00	250	64.7	64.7	66.8	57.2	52.5	36.7	
1600	755	2718	1.00	250	67.1	67.0	67.6	58.2	54.3	39.4	
1800	850	3058	1.00	250	68.9	69.2	68.3	59.1	55.7	41.5	
2000	944	3398	1.00	250	70.7	71.3	68.9	60.0	57.1	43.6	
2200	1038	3738	1.00	250	72.2	73.1	69.5	60.8	58.2	45.4	
2400	1133	4078	1.00	250	73.7	75.0	70.1	61.6	59.4	47.1	
2600	1227	4417	1.00	250	75.0	76.6	70.6	62.3	60.3	48.6	
2800	1321	4757	1.00	250	76.0	78.2	71.2	63.0	61.3	50.1	
3000	1416	5097	1.00	250	76.9	79.6	71.7	63.7	62.1	51.4	
3200	1510	5437	1.00	250	77.8	81.1	72.2	64.3	63.0	52.7	
400	189	680	2.00	500	50.0	59.3	67.1	58.6	48.0	27.2	
600	283	1019	2.00	500	55.6	63.2	68.9	59.8	51.0	30.9	
800	378	1359	2.00	500	61.2	64.4	70.7	61.0	53.9	34.6	
1000	472	1699	2.00	500	64.5	66.8	71.8	62.2	56.3	38.2	
1200	566	2039	2.00	500	67.8	69.2	72.8	63.3	58.6	41.7	
1400	661	2379	2.00	500	70.2	71.7	73.7	64.3	60.4	44.5	
1600	755	2718	2.00	500	72.5	74.2	74.5	65.4	62.1	47.2	
1800	850	3058	2.00	500	74.3	76.3	75.2	66.3	63.5	49.3	
2000	944	3398	2.00	500	76.2	78.4	75.8	67.2	64.9	51.4	
2200	1038	3738	2.00	500	77.6	80.3	76.4	68.0	66.0	53.2	
2400	1133	4078	2.00	500	79.1	82.1	77.0	68.8	67.2	54.9	
2600	1227	4417	2.00	500	80.2	83.7	77.6	69.5	68.2	56.4	
2800	1321	4757	2.00	500	81.3	85.3	78.1	70.2	69.1	57.9	
3000	1416	5097	2.00	500	82.1	86.7	78.6	70.8	70.0	59.1	
3200	1510	5437	2.00	500	83.0	88.1	79.1	71.5	70.8	60.4	
400	189	680	2.50	625	51.7	61.4	69.3	60.9	50.5	29.7	
600	283	1019	2.50	625	57.3	64.0	71.1	62.1	53.5	33.4	
800	378	1359	2.50	625	62.9	66.6	72.9	63.3	56.4	37.1	
1000	472	1699	2.50	625	66.2	69.1	74.0	64.5	58.8	40.6	
1200	566	2039	2.50	625	69.5	71.6	75.1	65.6	61.1	44.2	
1400	661	2379	2.50	625	71.9	74.0	75.9	66.7	62.9	46.9	
1600	755	2718	2.50	625	74.2	76.5	76.7	67.7	64.6	49.7	
1800	850	3058	2.50	625	76.1	78.7	77.4	68.6	66.0	51.8	
2000	944	3398	2.50	625	77.9	80.8	78.1	69.5	67.4	53.9	
2200	1038	3738	2.50	625	79.4	82.6	78.7	70.3	68.6	55.6	
2400	1133	4078	2.50	625	80.9	84.4	79.3	71.1	69.7	57.4	
2600	1227	4417	2.50	625	81.9	86.0	79.8	71.8	70.7	58.9	
2800	1321	4757	2.50	625	83.0	87.6	80.4	72.5	71.7	60.4	
3000	1416	5097	2.50	625	83.8	89.0	80.9	73.2	72.5	61.6	
3200	1510	5437	2.50	625	84.7	90.4	81.4	73.8	73.3	62.9	
400	189	680	3.00	750	53.1	63.1	71.1	62.8	52.5	31.4	
600	283	1019	3.00	750	58.7	65.7	72.9	64.0	55.5	35.2	
800	378	1359	3.00	750	64.4	68.2	74.7	65.2	58.5	39.1	
1000	472	1699	3.00	750	67.7	70.8	75.8	66.4	60.8	42.7	
1200	566	2039	3.00	750	71.0	73.4	76.9	67.5	63.2	46.3	
1400	661	2379	3.00	750	73.3	75.9	77.7	68.5	64.9	49.0	
1600	755	2718	3.00	750	75.6	78.4	78.5	69.6	66.7	51.7	
1800	850	3058	3.00	750	77.5	80.5	79.2	70.5	68.1	53.8	
2000	944	3398	3.00	750	79.3	82.7	79.9	71.4	69.5	56.0	
2200	1038	3738	3.00	750	80.8	84.5	80.5	72.2	70.6	57.7	
2400	1133	4078	3.00	750	82.3	86.3	81.1	73.0	71.8	59.4	
2600	1227	4417	3.00	750	83.3	87.9	81.7	73.7	72.8	60.9	
2800	1321	4757	3.00	750	84.3	89.4	82.2	74.4	73.7	62.4	
3000	1416	5097	3.00	750	85.2	90.8	82.7	75.0	74.6	63.7	
3200	1510	5437	3.00	750	86.1	92.2	83.2	75.7	75.4	65.0	

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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.