Phoenix Controls

Accel II Airflow Control Valves

LOW PRESSURE SUPPLY

Sound Power Level Data

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Phoenix Controls
Accel II Airflow Control Valves

Low Pressure
Supply Sound Power Level Performance Data
Size 08

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	0.30	75	36	32	28	23	< 20	< 20
100	45	170	0.30	75	41	33	29	27	20	< 20
150	70	250	0.30	75	42	34	30	30	24	< 20
200	95	340	0.30	75	45	38	34	34	28	< 20
250	120	420	0.30	75	46	43	40	40	33	28
300	140	510	0.30	75	47	44	41	41	34	30
350	160	590	0.30	75	50	48	45	46	38	34
400	190	680	0.30	75	51	50	46	50	40	37
450	210	760	0.30	75	52	51	48	51	41	38
500	230	850	0.30	75	53	52	53	55	46	44

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	37	34	36	34	26	< 20
100	45	170	0.60	150	43	38	38	36	29	< 20
150	70	250	0.60	150	46	41	39	39	34	26
200	95	340	0.60	150	48	44	40	42	37	29
250	120	420	0.60	150	50	47	43	45	40	33
300	140	510	0.60	150	52	49	46	47	42	37
350	160	590	0.60	150	54	52	50	51	44	40
400	190	680	0.60	150	56	54	52	53	45	42
450	210	760	0.60	150	58	56	54	55	47	43
500	230	850	0.60	150	60	58	56	57	49	45

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	1.00	250	38	35	37	39	37	26
100	45	170	1.00	250	44	43	42	42	39	28
150	70	250	1.00	250	47	46	43	44	41	32
200	95	340	1.00	250	50	48	45	47	43	36
250	120	420	1.00	250	52	51	47	49	45	39
300	140	510	1.00	250	54	53	49	51	47	41
350	160	590	1.00	250	57	55	53	54	49	44
400	190	680	1.00	250	58	57	55	57	50	45
450	210	760	1.00	250	60	59	58	59	51	47
500	230	850	1.00	250	62	60	60	61	53	48

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	1.50	375	39	36	38	40	42	35
100	45	170	1.50	375	45	44	45	46	45	37
150	70	250	1.50	375	49	49	47	47	46	39
200	95	340	1.50	375	51	52	48	50	47	41
250	120	420	1.50	375	54	54	50	52	48	43
300	140	510	1.50	375	55	56	52	55	50	45
350	160	590	1.50	375	58	58	54	57	52	47
400	190	680	1.50	375	59	59	57	59	54	48
450	210	760	1.50	375	61	61	60	61	55	50
500	230	850	1.50	375	63	63	63	63	57	51

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	2.00	500	40	39	39	41	44	42
100	45	170	2.00	500	46	45	47	48	48	43
150	70	250	2.00	500	50	51	50	50	49	44
200	95	340	2.00	500	52	54	51	52	50	45
250	120	420	2.00	500	55	56	53	54	51	46
300	140	510	2.00	500	56	58	54	57	53	48
350	160	590	2.00	500	59	60	57	59	55	50
400	190	680	2.00	500	60	61	59	61	56	51
450	210	760	2.00	500	62	63	61	63	58	53
500	230	850	2.00	500	64	65	64	65	59	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
50	25	85	2.50	625	41	40	40	42	45	46
100	45	170	2.50	625	47	46	48	49	50	47
150	70	250	2.50	625	51	52	52	52	51	48
200	95	340	2.50	625	53	55	54	54	52	49
250	120	420	2.50	625	56	57	56	57	54	50
300	140	510	2.50	625	57	59	57	59	56	51
350	160	590	2.50	625	60	61	59	61	57	52
400	190	680	2.50	625	61	63	60	63	59	53
450	210	760	2.50	625	63	64	63	65	60	55
500	230	850	2.50	625	65	66	65	67	61	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
50	25	85	3.00	750	44	41	41	43	46	48
100	45	170	3.00	750	48	47	49	50	51	49
150	70	250	3.00	750	52	53	53	53	52	50
200	95	340	3.00	750	54	56	55	55	53	51
250	120	420	3.00	750	57	58	57	58	55	52
300	140	510	3.00	750	58	60	59	60	57	53
350	160	590	3.00	750	61	62	61	63	59	54
400	190	680	3.00	750	62	64	62	64	60	55
450	210	760	3.00	750	64	65	64	66	62	56
500	230	850	3.00	750	66	67	66	68	63	58

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

Low Pressure
Supply Sound Power Level Performance Data
Size 08 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	25	85	0.30	75	36	32	< 20	< 20	< 20	< 20
100	45	170	0.30	75	41	33	30	< 20	< 20	< 20
150	70	250	0.30	75	42	34	29	< 20	< 20	< 20
200	95	340	0.30	75	45	38	32	< 20	< 20	< 20
250	120	420	0.30	75	46	43	38	30	24	< 20
300	140	510	0.30	75	47	44	39	32	26	20
350	160	590	0.30	75	50	48	43	39	33	24
400	190	680	0.30	75	51	50	46	42	38	27
450	210	760	0.30	75	52	51	47	44	39	28
500	230	850	0.30	75	53	52	48	47	41	30
50	25	85	0.60	150	37	34	34	< 20	< 20	< 20
100	45	170	0.60	150	43	38	35	< 20	< 20	< 20
150	70	250	0.60	150	46	41	36	< 20	22	< 20
200	95	340	0.60	150	48	44	38	24	25	22
250	120	420	0.60	150	50	47	42	31	28	27
300	140	510	0.60	150	52	49	44	35	31	30
350	160	590	0.60	150	54	52	48	40	36	33
400	190	680	0.60	150	56	54	50	43	40	34
450	210	760	0.60	150	58	56	53	46	44	36
500	230	850	0.60	150	60	58	54	50	48	37
50	25	85	1.00	250	38	35	37	23	28	< 20
100	45	170	1.00	250	44	43	40	24	29	20
150	70	250	1.00	250	47	46	41	25	30	24
200	95	340	1.00	250	50	48	43	27	31	29
250	120	420	1.00	250	52	51	45	32	33	31
300	140	510	1.00	250	54	53	48	37	35	34
350	160	590	1.00	250	57	55	51	41	38	36
400	190	680	1.00	250	58	57	53	44	41	38
450	210	760	1.00	250	60	59	56	47	45	40
500	230	850	1.00	250	62	60	58	51	49	41
50	25	85	1.50	375	39	36	36	24	33	28
100	45	170	1.50	375	45	44	43	27	34	29
150	70	250	1.50	375	49	49	45	28	35	31
200	95	340	1.50	375	51	52	46	30	36	34
250	120	420	1.50	375	54	54	48	33	37	36
300	140	510	1.50	375	55	56	51	38	39	38
350	160	590	1.50	375	58	58	53	42	41	40
400	190	680	1.50	375	59	59	55	45	43	41
450	210	760	1.50	375	61	61	58	48	47	43
500	230	850	1.50	375	63	63	60	52	50	44

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	2.00	500	40	39	37	26	36	34
100	45	170	2.00	500	46	45	45	30	37	35
150	70	250	2.00	500	50	51	47	31	38	36
200	95	340	2.00	500	52	54	49	32	39	37
250	120	420	2.00	500	55	56	51	35	40	39
300	140	510	2.00	500	56	58	53	39	41	41
350	160	590	2.00	500	59	60	55	43	43	43
400	190	680	2.00	500	60	61	57	46	45	44
450	210	760	2.00	500	62	63	60	49	49	46
500	230	850	2.00	500	64	65	62	53	51	47
50	25	85	2.50	625	41	40	38	25	37	38
100	45	170	2.50	625	47	46	46	32	40	39
150	70	250	2.50	625	51	52	49	33	41	40
200	95	340	2.50	625	53	55	52	34	42	41
250	120	420	2.50	625	56	57	54	37	43	42
300	140	510	2.50	625	57	59	55	40	44	43
350	160	590	2.50	625	60	61	57	44	46	45
400	190	680	2.50	625	61	63	59	47	47	47
450	210	760	2.50	625	63	64	61	50	50	48
500	230	850	2.50	625	65	66	63	54	52	49
50	25	85	3.00	750	44	41	39	26	38	41
100	45	170	3.00	750	48	47	47	33	42	42
150	70	250	3.00	750	52	53	51	35	43	43
200	95	340	3.00	750	54	56	54	36	44	44
250	120	420	3.00	750	57	58	56	39	45	45
300	140	510	3.00	750	58	60	57	41	46	46
350	160	590	3.00	750	61	62	59	45	47	47
400	190	680	3.00	750	62	64	60	48	49	48
450	210	760	3.00	750	64	65	62	51	51	50
500	230	850	3.00	750	66	67	64	55	53	51

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

Low Pressure
Supply Sound Power Level Performance Data
Size 10

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	45	170	0.30	75	37	36	32	28	21	<20
150	70	250	0.30	75	43	37	33	34	30	21
200	95	340	0.30	75	44	38	34	38	34	26
250	120	420	0.30	75	45	39	35	40	36	28
300	140	510	0.30	75	46	42	36	41	37	29
350	160	590	0.30	75	47	43	37	43	38	30
400	190	680	0.30	75	48	44	39	45	41	33
450	210	760	0.30	75	49	45	40	46	43	36
500	230	850	0.30	75	50	46	42	47	45	41
100	45	170	0.60	150	38	43	41	39	31	23
150	70	255	0.60	150	42	45	42	42	36	29
200	95	340	0.60	150	45	46	42	44	40	34
250	118	425	0.60	150	48	47	43	47	43	37
300	140	510	0.60	150	51	47	43	49	45	39
350	165	595	0.60	150	53	48	44	51	47	41
400	190	680	0.60	150	55	49	45	52	48	42
450	210	765	0.60	150	56	51	46	53	49	43
500	230	850	0.60	150	57	52	47	53	50	44
100	45	170	1.00	250	40	44	42	46	40	32
150	70	255	1.00	250	44	47	45	48	43	36
200	95	340	1.00	250	48	50	47	49	46	40
250	118	425	1.00	250	51	52	48	51	48	43
300	140	510	1.00	250	53	53	48	53	50	45
350	165	595	1.00	250	55	54	49	55	52	47
400	190	680	1.00	250	57	55	50	57	54	49
450	210	765	1.00	250	59	56	51	58	55	50
500	230	850	1.00	250	60	56	52	59	56	51
100	45	170	1.50	375	41	46	43	48	48	40
150	70	255	1.50	375	45	50	46	51	49	42
200	95	340	1.50	375	49	53	49	53	50	44
250	118	425	1.50	375	52	55	51	55	52	47
300	140	510	1.50	375	54	57	52	56	54	50
350	165	595	1.50	375	56	58	53	58	56	52
400	190	680	1.50	375	58	59	54	60	58	53
450	210	765	1.50	375	60	60	55	62	59	55
500	230	850	1.50	375	61	60	56	63	60	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
100	45	170	2.00	500	42	47	44	49	51	46
150	70	255	2.00	500	47	51	48	52	52	47
200	95	340	2.00	500	51	54	51	55	53	48
250	118	425	2.00	500	53	56	53	57	55	50
300	140	510	2.00	500	55	58	54	59	57	52
350	165	595	2.00	500	57	60	56	61	59	54
400	190	680	2.00	500	59	62	57	62	60	56
450	210	765	2.00	500	61	63	58	64	62	58
500	230	850	2.00	500	62	64	59	65	63	59
100	45	170	2.50	625	43	48	45	50	53	51
150	70	255	2.50	625	48	52	49	53	54	52
200	95	340	2.50	625	52	55	53	56	55	52
250	118	425	2.50	625	54	57	55	59	57	54
300	140	510	2.50	625	56	59	56	61	59	55
350	165	595	2.50	625	58	61	58	63	61	57
400	190	680	2.50	625	60	63	59	64	62	58
450	210	765	2.50	625	62	64	60	66	64	60
500	230	850	2.50	625	63	65	61	67	65	61
100	45	170	3.00	750	44	49	46	51	54	53
150	70	255	3.00	750	49	53	50	55	55	54
200	95	340	3.00	750	53	56	54	58	56	54
250	118	425	3.00	750	55	58	56	60	58	55
300	140	510	3.00	750	57	60	58	62	60	56
350	165	595	3.00	750	59	62	60	64	62	58
400	190	680	3.00	750	61	64	61	66	64	60
450	210	765	3.00	750	63	65	62	67	65	61
500	230	850	3.00	750	64	66	63	68	66	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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls
Accel II Airflow Control Valves

Low Pressure
Supply Sound Power Level Performance Data
Size 10 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
100	45	170	0.30	75	37	35	30	< 20	< 20	< 20
150	70	250	0.30	75	43	36	31	< 20	< 20	< 20
200	95	340	0.30	75	44	37	32	20	22	20
250	120	420	0.30	75	45	38	33	21	23	21
300	140	510	0.30	75	46	40	34	25	24	22
350	160	590	0.30	75	47	41	35	26	26	23
400	190	680	0.30	75	48	44	38	30	31	27
450	210	760	0.30	75	49	45	40	33	35	32
500	230	850	0.30	75	50	46	42	35	38	37
100	45	170	0.60	150	38	40	38	23	23	< 20
150	70	255	0.60	150	42	41	39	25	26	23
200	95	340	0.60	150	45	42	39	27	29	27
250	118	425	0.60	150	47	44	40	30	32	30
300	140	510	0.60	150	49	46	41	32	34	33
350	165	595	0.60	150	50	47	42	34	35	34
400	190	680	0.60	150	52	49	43	36	36	35
450	210	765	0.60	150	53	51	45	37	38	37
500	230	850	0.60	150	55	52	47	39	39	39
100	45	170	1.00	250	39	42	39	29	33	26
150	70	255	1.00	250	43	44	41	31	34	29
200	95	340	1.00	250	46	47	43	32	36	33
250	118	425	1.00	250	49	49	44	34	37	36
300	140	510	1.00	250	51	50	45	36	39	39
350	165	595	1.00	250	53	52	47	38	40	40
400	190	680	1.00	250	55	53	48	40	41	42
450	210	765	1.00	250	57	54	49	41	43	43
500	230	850	1.00	250	58	56	50	43	44	44
100	45	170	1.50	375	40	43	41	30	39	33
150	70	255	1.50	375	44	46	43	32	39	35
200	95	340	1.50	375	48	50	45	35	40	37
250	118	425	1.50	375	50	52	47	37	42	40
300	140	510	1.50	375	53	54	49	39	43	43
350	165	595	1.50	375	55	56	51	41	44	45
400	190	680	1.50	375	57	57	52	43	46	46
450	210	765	1.50	375	59	58	53	44	46	47
500	230	850	1.50	375	61	59	54	46	47	48

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	45	170	2.00	500	41	45	42	32	42	39
150	70	255	2.00	500	45	48	44	34	43	40
200	95	340	2.00	500	50	51	47	37	43	41
250	118	425	2.00	500	52	53	50	39	45	43
300	140	510	2.00	500	54	56	52	42	46	46
350	165	595	2.00	500	56	58	53	43	47	48
400	190	680	2.00	500	58	59	54	45	48	49
450	210	765	2.00	500	60	61	55	46	49	50
500	230	850	2.00	500	62	62	56	48	51	52
100	45	170	2.50	625	42	45	42	32	43	42
150	70	255	2.50	625	46	48	46	35	44	43
200	95	340	2.50	625	50	52	50	38	44	43
250	118	425	2.50	625	53	54	52	41	46	46
300	140	510	2.50	625	55	57	54	43	48	48
350	165	595	2.50	625	58	59	55	45	49	50
400	190	680	2.50	625	60	61	57	47	51	51
450	210	765	2.50	625	61	62	57	48	52	53
500	230	850	2.50	625	63	63	58	49	53	54
100	45	170	3.00	750	43	46	44	34	45	45
150	70	255	3.00	750	47	49	47	37	46	45
200	95	340	3.00	750	51	53	51	40	46	46
250	118	425	3.00	750	54	55	53	42	48	48
300	140	510	3.00	750	56	58	55	45	50	49
350	165	595	3.00	750	58	59	57	47	51	51
400	190	680	3.00	750	60	61	58	48	52	53
450	210	765	3.00	750	62	63	59	50	53	54
500	230	850	3.00	750	63	64	60	51	55	56

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

Low Pressure
Supply Sound Power Level Performance Data
Size 12

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	95	340	0.30	75	41	39	34	40	30	25
300	140	510	0.30	75	43	40	35	41	34	26
400	190	680	0.30	75	45	41	36	42	36	28
500	230	850	0.30	75	46	42	37	43	37	29
600	280	1000	0.30	75	47	43	38	44	38	30
700	330	1200	0.30	75	51	47	45	48	43	43
800	380	1350	0.30	75	52	50	47	51	49	46
900	420	1550	0.30	75	53	53	48	52	50	47
1000	470	1700	0.30	75	55	54	49	53	51	48
200	95	340	0.60	150	44	46	43	42	34	27
300	143	510	0.60	150	49	48	44	46	40	33
400	190	680	0.60	150	53	49	44	49	45	39
500	235	840	0.60	150	55	51	45	51	47	41
600	280	1000	0.60	150	56	52	46	53	48	43
700	330	1175	0.60	150	58	54	48	54	49	47
800	380	1350	0.60	150	59	55	49	54	50	51
900	425	1525	0.60	150	61	57	51	56	52	52
1000	470	1700	0.60	150	62	58	53	58	53	52
200	95	340	1.00	250	46	51	48	49	44	35
300	143	510	1.00	250	50	53	49	52	47	40
400	190	680	1.00	250	54	54	49	54	50	45
500	235	840	1.00	250	57	55	51	57	53	48
600	280	1000	1.00	250	59	56	52	59	55	50
700	330	1175	1.00	250	61	58	53	60	56	52
800	380	1350	1.00	250	63	59	54	61	56	53
900	425	1525	1.00	250	64	61	56	62	57	54
1000	470	1700	1.00	250	65	63	57	63	58	54
200	95	340	1.50	375	47	52	50	52	51	43
300	143	510	1.50	375	51	56	52	55	53	46
400	190	680	1.50	375	55	60	53	57	54	49
500	235	840	1.50	375	58	61	55	60	57	52
600	280	1000	1.50	375	60	62	56	63	59	55
700	330	1175	1.50	375	62	63	58	64	60	56
800	380	1350	1.50	375	64	63	59	65	61	56
900	425	1525	1.50	375	65	64	60	66	62	57
1000	470	1700	1.50	375	66	65	60	66	62	57

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	95	340	2.00	500	49	53	51	54	54	49
300	143	510	2.00	500	53	57	54	57	56	51
400	190	680	2.00	500	56	61	56	60	57	53
500	235	840	2.00	500	59	64	58	63	60	56
600	280	1000	2.00	500	61	66	59	65	62	58
700	330	1175	2.00	500	63	67	61	67	64	60
800	380	1350	2.00	500	65	67	62	69	65	61
900	425	1525	2.00	500	67	68	63	70	66	62
1000	470	1700	2.00	500	68	69	64	71	66	62
200	95	340	2.50	625	50	54	52	55	56	53
300	143	510	2.50	625	54	58	55	58	58	54
400	190	680	2.50	625	57	62	58	61	59	55
500	235	840	2.50	625	60	65	60	64	62	58
600	280	1000	2.50	625	62	67	62	67	64	60
700	330	1175	2.50	625	64	68	63	69	66	62
800	380	1350	2.50	625	66	69	64	70	67	63
900	425	1525	2.50	625	68	70	66	72	69	64
1000	470	1700	2.50	625	69	70	67	73	70	65
200	95	340	3.00	750	51	55	53	56	57	54
300	143	510	3.00	750	55	59	57	60	59	56
400	190	680	3.00	750	58	63	61	63	60	57
500	235	840	3.00	750	61	66	63	66	63	59
600	280	1000	3.00	750	63	68	64	68	65	61
700	330	1175	3.00	750	65	70	65	70	67	63
800	380	1350	3.00	750	67	71	66	72	69	65
900	425	1525	3.00	750	69	72	67	74	70	66
1000	470	1700	3.00	750	70	72	68	75	71	67

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

Low Pressure
Supply Sound Power Level Performance Data
Size 12 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	95	340	0.30	75	41	35	32	24	21	<20
300	140	510	0.30	75	43	36	33	25	22	<20
400	190	680	0.30	75	45	37	34	29	24	20
500	230	850	0.30	75	46	39	35	30	26	22
600	280	1000	0.30	75	48	41	37	32	30	24
700	330	1200	0.30	75	50	43	38	33	31	25
800	380	1350	0.30	75	51	47	43	39	39	37
900	420	1550	0.30	75	53	49	45	42	44	39
1000	470	1700	0.30	75	55	51	48	44	45	41
200	95	340	0.60	150	44	43	41	33	28	25
300	143	510	0.60	150	47	44	41	35	32	29
400	190	680	0.60	150	50	45	42	37	35	33
500	235	840	0.60	150	52	47	43	39	37	35
600	280	1000	0.60	150	54	49	44	40	38	36
700	330	1175	0.60	150	56	51	45	42	39	37
800	380	1350	0.60	150	57	52	47	43	40	38
900	425	1525	0.60	150	58	53	48	45	42	40
1000	470	1700	0.60	150	59	54	50	47	43	42
200	95	340	1.00	250	46	46	45	39	37	31
300	143	510	1.00	250	49	48	46	40	39	35
400	190	680	1.00	250	51	51	47	42	41	39
500	235	840	1.00	250	54	52	48	44	43	41
600	280	1000	1.00	250	57	54	49	45	44	43
700	330	1175	1.00	250	59	55	51	47	45	45
800	380	1350	1.00	250	62	57	52	48	46	46
900	425	1525	1.00	250	63	58	53	49	47	46
1000	470	1700	1.00	250	64	59	54	50	47	47
200	95	340	1.50	375	47	47	47	42	42	37
300	143	510	1.50	375	50	51	49	43	43	39
400	190	680	1.50	375	52	54	50	45	44	42
500	235	840	1.50	375	55	56	51	46	45	45
600	280	1000	1.50	375	58	57	53	48	47	47
700	330	1175	1.50	375	61	58	54	50	49	49
800	380	1350	1.50	375	63	60	55	52	50	50
900	425	1525	1.50	375	64	61	56	53	51	51
1000	470	1700	1.50	375	66	62	58	54	52	51

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	95	340	2.00	500	48	48	49	44	45	42
300	140	510	2.00	500	51	52	51	45	46	44
400	190	680	2.00	500	53	55	52	46	47	45
500	230	850	2.00	500	56	57	54	48	48	47
600	280	1000	2.00	500	59	60	56	50	49	49
700	330	1200	2.00	500	62	61	57	52	51	51
800	380	1350	2.00	500	64	63	58	54	53	53
900	420	1550	2.00	500	66	64	59	55	54	54
1000	470	1700	2.00	500	67	65	60	57	55	55
200	95	340	2.50	625	50	49	52	46	46	46
300	143	510	2.50	625	52	53	53	47	47	47
400	190	680	2.50	625	55	56	55	48	48	48
500	235	840	2.50	625	57	59	56	50	50	50
600	280	1000	2.50	625	60	61	58	52	51	52
700	330	1175	2.50	625	63	63	59	54	53	53
800	380	1350	2.50	625	65	65	60	56	55	55
900	425	1525	2.50	625	67	66	61	57	56	56
1000	470	1700	2.50	625	68	67	63	59	57	58
200	95	340	3.00	750	51	50	53	48	48	48
300	143	510	3.00	750	53	53	55	49	49	49
400	190	680	3.00	750	56	57	56	50	50	50
500	235	840	3.00	750	58	59	58	52	52	52
600	280	1000	3.00	750	61	62	60	54	53	54
700	330	1175	3.00	750	63	64	61	56	55	55
800	380	1350	3.00	750	66	66	62	57	56	57
900	425	1525	3.00	750	67	67	63	59	58	58
1000	470	1700	3.00	750	69	68	64	60	59	59

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

Low Pressure
Supply 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	0.30	75	28	31	31	28	< 20	< 20
300	142	510	0.30	75	32	35	34	33	23	< 20
400	189	680	0.30	75	36	40	38	38	31	24
500	236	850	0.30	75	42	41	39	40	35	28
600	283	1019	0.30	75	47	41	41	42	39	31
700	330	1189	0.30	75	49	42	43	44	40	33
800	378	1359	0.30	75	51	42	44	45	42	35
900	425	1529	0.30	75	53	43	45	46	42	37
1000	472	1699	0.30	75	55	43	46	46	43	40
1100	519	1869	0.30	75	57	45	47	47	44	41
1200	566	2039	0.30	75	59	47	47	48	45	42
1300	614	2209	0.30	75	60	48	48	48	46	43
1400	661	2379	0.30	75	61	49	49	49	47	44
200	94	340	0.60	150	33	37	39	34	32	25
300	142	510	0.60	150	37	41	42	39	36	29
400	189	680	0.60	150	41	46	45	44	40	33
500	236	850	0.60	150	47	47	47	46	43	36
600	283	1019	0.60	150	52	48	49	48	46	39
700	330	1189	0.60	150	54	48	50	50	47	41
800	378	1359	0.60	150	57	49	51	52	48	42
900	425	1529	0.60	150	58	49	52	52	49	44
1000	472	1699	0.60	150	59	50	53	53	50	46
1100	519	1869	0.60	150	61	52	54	54	51	46
1200	566	2039	0.60	150	63	54	55	55	52	47
1300	614	2209	0.60	150	64	54	55	55	52	48
1400	661	2379	0.60	150	65	55	55	55	53	49
200	94	340	1.00	250	36	42	46	39	38	34
300	142	510	1.00	250	41	46	48	44	42	37
400	189	680	1.00	250	45	50	50	48	46	40
500	236	850	1.00	250	50	51	52	51	48	43
600	283	1019	1.00	250	54	52	54	53	51	45
700	330	1189	1.00	250	56	54	55	55	52	47
800	378	1359	1.00	250	59	55	56	56	54	48
900	425	1529	1.00	250	60	56	57	57	55	50
1000	472	1699	1.00	250	61	57	58	59	56	51
1100	519	1869	1.00	250	63	58	59	60	57	52
1200	566	2039	1.00	250	65	59	60	61	58	53
1300	614	2209	1.00	250	66	60	61	61	58	54
1400	661	2379	1.00	250	67	60	61	61	59	54
200	94	340	1.50	375	39	46	51	43	40	37
300	142	510	1.50	375	44	49	52	47	45	42
400	189	680	1.50	375	49	53	54	52	50	46
500	236	850	1.50	375	52	55	55	54	53	48
600	283	1019	1.50	375	56	56	57	57	55	50
700	330	1189	1.50	375	58	58	59	59	57	51
800	378	1359	1.50	375	61	59	60	60	58	53
900	425	1529	1.50	375	62	60	61	62	59	54
1000	472	1699	1.50	375	63	61	62	63	60	56
1100	519	1869	1.50	375	65	62	63	64	61	57
1200	566	2039	1.50	375	67	63	64	65	62	58
1300	614	2209	1.50	375	68	64	65	66	63	59
1400	661	2379	1.50	375	69	64	66	66	63	59

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	41	48	52	45	43	41
300	142	510	2.00	500	46	52	54	50	48	45
400	189	680	2.00	500	51	55	56	55	53	49
500	236	850	2.00	500	54	57	58	57	56	51
600	283	1019	2.00	500	57	59	60	60	58	53
700	330	1189	2.00	500	60	60	61	61	59	55
800	378	1359	2.00	500	62	62	63	63	61	56
900	425	1529	2.00	500	63	63	64	64	62	58
1000	472	1699	2.00	500	65	64	65	66	64	59
1100	519	1869	2.00	500	66	65	66	67	64	60
1200	566	2039	2.00	500	68	66	67	68	65	61
1300	614	2209	2.00	500	69	67	68	69	66	62
1400	661	2379	2.00	500	71	67	69	69	67	63
200	94	340	2.50	625	43	51	54	47	45	43
300	142	510	2.50	625	47	54	56	52	50	48
400	189	680	2.50	625	52	57	58	57	56	52
500	236	850	2.50	625	55	59	60	59	58	54
600	283	1019	2.50	625	58	61	62	62	60	56
700	330	1189	2.50	625	61	62	63	63	62	57
800	378	1359	2.50	625	63	64	65	65	63	59
900	425	1529	2.50	625	65	65	66	67	65	60
1000	472	1699	2.50	625	66	66	68	68	66	62
1100	519	1869	2.50	625	67	67	69	69	67	63
1200	566	2039	2.50	625	69	69	70	70	68	64
1300	614	2209	2.50	625	70	69	71	71	69	64
1400	661	2379	2.50	625	72	69	71	72	70	65
200	94	340	3.00	750	44	52	55	49	47	45
300	142	510	3.00	750	49	55	57	54	52	50
400	189	680	3.00	750	53	58	60	58	58	55
500	236	850	3.00	750	56	60	62	61	60	56
600	283	1019	3.00	750	59	62	63	63	62	58
700	330	1189	3.00	750	62	64	65	65	63	60
800	378	1359	3.00	750	64	65	67	67	65	61
900	425	1529	3.00	750	66	66	68	69	66	62
1000	472	1699	3.00	750	67	67	70	70	68	64
1100	519	1869	3.00	750	68	69	70	71	69	65
1200	566	2039	3.00	750	70	71	71	72	70	66
1300	614	2209	3.00	750	71	71	72	73	71	67
1400	661	2379	3.00	750	73	71	73	74	72	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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls
Accel II Airflow Control Valves

Low Pressure
Supply Sound Power Level Performance Data
Size 114 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	0.30	75	28	31	31	< 20	< 20	< 20
300	142	510	0.30	75	32	35	34	22	< 20	< 20
400	189	680	0.30	75	36	40	38	27	26	20
500	236	850	0.30	75	42	41	39	29	30	24
600	283	1019	0.30	75	47	41	41	32	34	28
700	330	1189	0.30	75	49	42	43	33	35	30
800	378	1359	0.30	75	51	42	44	34	37	31
900	425	1529	0.30	75	53	43	45	35	37	34
1000	472	1699	0.30	75	55	43	46	35	38	36
1100	519	1869	0.30	75	57	45	47	36	39	37
1200	566	2039	0.30	75	59	47	47	37	40	38
1300	614	2209	0.30	75	60	48	48	37	41	39
1400	661	2379	0.30	75	61	49	49	38	42	40
200	94	340	0.60	150	33	37	38	24	27	22
300	142	510	0.60	150	37	41	41	28	31	25
400	189	680	0.60	150	41	46	43	33	35	29
500	236	850	0.60	150	47	47	45	35	38	32
600	283	1019	0.60	150	52	48	47	38	41	36
700	330	1189	0.60	150	54	48	48	39	42	37
800	378	1359	0.60	150	57	49	49	41	43	39
900	425	1529	0.60	150	58	49	51	41	44	41
1000	472	1699	0.60	150	59	50	52	42	45	42
1100	519	1869	0.60	150	60	52	52	43	46	43
1200	566	2039	0.60	150	62	54	53	44	47	44
1300	614	2209	0.60	150	63	54	53	44	47	44
1400	661	2379	0.60	150	64	55	53	44	48	45
200	94	340	1.00	250	36	42	44	28	33	31
300	142	510	1.00	250	41	46	46	33	37	34
400	189	680	1.00	250	45	50	49	38	41	37
500	236	850	1.00	250	50	51	50	40	43	39
600	283	1019	1.00	250	54	52	52	42	46	42
700	330	1189	1.00	250	56	54	53	44	47	43
800	378	1359	1.00	250	59	55	55	45	49	45
900	425	1529	1.00	250	60	56	56	47	50	46
1000	472	1699	1.00	250	61	57	57	48	51	48
1100	519	1869	1.00	250	63	58	58	49	52	49
1200	566	2039	1.00	250	64	59	59	50	53	50
1300	614	2209	1.00	250	65	60	59	50	53	50
1400	661	2379	1.00	250	66	60	60	50	54	51
200	94	340	1.50	375	39	46	49	32	35	34
300	142	510	1.50	375	44	49	51	37	40	38
400	189	680	1.50	375	49	53	52	41	45	42
500	236	850	1.50	375	52	55	54	44	48	44
600	283	1019	1.50	375	56	56	56	46	50	47
700	330	1189	1.50	375	58	58	57	48	52	48
800	378	1359	1.50	375	61	59	59	49	53	50
900	425	1529	1.50	375	62	60	60	51	54	51
1000	472	1699	1.50	375	63	61	61	52	56	52
1100	519	1869	1.50	375	65	62	62	53	56	53
1200	566	2039	1.50	375	66	63	63	54	57	54
1300	614	2209	1.50	375	67	64	64	55	58	55
1400	661	2379	1.50	375	68	64	64	55	58	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	2.00	500	41	48	51	35	38	37
300	142	510	2.00	500	46	52	53	39	43	42
400	189	680	2.00	500	51	55	55	44	48	46
500	236	850	2.00	500	54	57	56	46	51	48
600	283	1019	2.00	500	57	59	58	49	53	50
700	330	1189	2.00	500	60	60	60	50	54	51
800	378	1359	2.00	500	62	62	61	52	56	53
900	425	1529	2.00	500	63	63	63	53	57	54
1000	472	1699	2.00	500	65	64	64	55	59	56
1100	519	1869	2.00	500	66	65	65	56	59	57
1200	566	2039	2.00	500	68	66	66	57	60	58
1300	614	2209	2.00	500	69	67	67	58	61	58
1400	661	2379	2.00	500	70	67	68	58	62	59
200	94	340	2.50	625	43	51	52	37	40	40
300	142	510	2.50	625	47	54	54	41	45	44
400	189	680	2.50	625	52	57	57	46	51	49
500	236	850	2.50	625	55	59	58	48	53	51
600	283	1019	2.50	625	58	61	60	51	55	53
700	330	1189	2.50	625	61	62	62	52	57	54
800	378	1359	2.50	625	63	64	64	54	58	56
900	425	1529	2.50	625	65	65	65	56	60	57
1000	472	1699	2.50	625	66	66	66	57	61	58
1100	519	1869	2.50	625	67	67	67	58	62	59
1200	566	2039	2.50	625	69	69	68	59	63	60
1300	614	2209	2.50	625	70	69	69	60	63	61
1400	661	2379	2.50	625	71	69	70	61	64	62
200	94	340	3.00	750	44	52	53	38	42	42
300	142	510	3.00	750	49	55	56	43	47	47
400	189	680	3.00	750	53	58	58	47	53	51
500	236	850	3.00	750	56	60	60	50	55	53
600	283	1019	3.00	750	59	62	62	53	57	55
700	330	1189	3.00	750	62	64	64	54	59	56
800	378	1359	3.00	750	64	65	65	56	60	58
900	425	1529	3.00	750	66	66	67	58	61	59
1000	472	1699	3.00	750	67	67	68	59	63	60
1100	519	1869	3.00	750	68	69	69	60	64	61
1200	566	2039	3.00	750	70	71	70	61	65	62
1300	614	2209	3.00	750	71	71	71	62	66	63
1400	661	2379	3.00	750	72	71	72	63	66	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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls
Accel II Airflow Control Valves

Low Pressure
Supply Sound Power Level Performance Data
Dual 10

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	95	340	0.30	75	37	37	34	30	23	<20
300	140	510	0.30	75	38	38	35	37	31	23
400	190	680	0.30	75	39	39	36	41	37	29
500	230	850	0.30	75	41	40	37	43	38	30
600	280	1000	0.30	75	44	42	38	44	39	31
700	330	1200	0.30	75	47	43	39	45	40	32
800	380	1350	0.30	75	48	45	40	46	42	35
900	420	1550	0.30	75	50	46	43	49	45	39
1000	470	1700	0.30	75	51	47	44	50	46	44

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	95	340	0.60	150	41	43	43	42	33	26
300	143	510	0.60	150	45	45	44	45	38	32
400	190	680	0.60	150	48	46	45	47	43	37
500	235	840	0.60	150	50	47	45	49	45	39
600	280	1000	0.60	150	52	48	46	51	47	42
700	330	1175	0.60	150	53	50	46	52	48	43
800	380	1350	0.60	150	55	51	47	53	50	44
900	425	1525	0.60	150	55	51	48	54	50	45
1000	470	1700	0.60	150	56	52	48	54	51	45

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	95	340	2.00	500	45	48	47	51	53	48
300	143	510	2.00	500	49	52	50	54	54	49
400	190	680	2.00	500	53	55	54	58	55	51
500	235	840	2.00	500	56	58	55	60	57	53
600	280	1000	2.00	500	58	60	57	62	59	55
700	330	1175	2.00	500	60	62	59	64	61	57
800	380	1350	2.00	500	61	63	60	65	62	59
900	425	1525	2.00	500	62	64	61	66	64	60
1000	470	1700	2.00	500	63	65	62	68	65	61

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	95	340	1.00	250	43	44	45	48	42	34
300	143	510	1.00	250	46	47	47	50	45	38
400	190	680	1.00	250	50	51	49	52	48	43
500	235	840	1.00	250	52	53	50	54	51	45
600	280	1000	1.00	250	55	55	51	56	53	48
700	330	1175	1.00	250	57	55	52	58	54	50
800	380	1350	1.00	250	58	56	53	59	56	51
900	425	1525	1.00	250	59	57	54	60	56	52
1000	470	1700	1.00	250	61	58	55	61	57	53

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	95	340	2.50	625	46	49	48	52	55	53
300	143	510	2.50	625	50	52	52	56	56	54
400	190	680	2.50	625	54	56	55	59	57	54
500	235	840	2.50	625	57	59	57	62	59	56
600	280	1000	2.50	625	59	61	59	64	61	58
700	330	1175	2.50	625	61	63	61	66	63	59
800	380	1350	2.50	625	62	64	62	67	64	61
900	425	1525	2.50	625	63	66	63	69	65	62
1000	470	1700	2.50	625	64	67	64	70	67	63

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	95	340	1.50	375	44	47	46	50	50	42
300	143	510	1.50	375	48	50	49	53	51	44
400	190	680	1.50	375	52	54	51	55	53	47
500	235	840	1.50	375	54	56	53	57	54	50
600	280	1000	1.50	375	56	58	54	59	56	52
700	330	1175	1.50	375	58	59	56	61	58	54
800	380	1350	1.50	375	60	61	57	63	60	56
900	425	1525	1.50	375	61	61	58	64	61	57
1000	470	1700	1.50	375	62	62	59	65	62	58

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	95	340	3.00	750	47	50	49	53	56	56
300	143	510	3.00	750	51	54	53	57	57	56
400	190	680	3.00	750	56	57	57	60	59	57
500	235	840	3.00	750	58	59	59	63	61	58
600	280	1000	3.00	750	60	62	61	65	63	59
700	330	1175	3.00	750	61	63	62	67	64	61
800	380	1350	3.00	750	63	65	64	69	66	63
900	425	1525	3.00	750	64	67	65	70	67	64
1000	470	1700	3.00	750	65	68	66	71	68	65

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

Low Pressure
Supply Sound Power Level Performance Data
Dual 10 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	95	340	0.30	75	37	36	33	22	<20	<20
300	140	510	0.30	75	38	37	34	28	26	<20
400	190	680	0.30	75	39	38	35	30	28	23
500	230	850	0.30	75	41	40	36	32	31	25
600	280	1000	0.30	75	44	42	38	35	32	26
700	330	1200	0.30	75	47	43	39	36	34	27
800	380	1350	0.30	75	48	45	40	38	37	31
900	420	1550	0.30	75	50	46	42	39	40	35
1000	470	1700	0.30	75	51	47	44	42	42	37

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	95	340	0.60	150	41	43	43	34	28	22
300	143	510	0.60	150	45	45	44	36	33	28
400	190	680	0.60	150	48	46	44	39	38	33
500	235	840	0.60	150	50	47	44	40	39	35
600	280	1000	0.60	150	52	48	45	42	41	37
700	330	1175	0.60	150	53	50	46	44	43	39
800	380	1350	0.60	150	54	51	47	46	44	41
900	425	1525	0.60	150	55	51	48	47	45	42
1000	470	1700	0.60	150	56	52	48	47	46	43

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	95	340	1.00	250	43	44	44	40	38	31
300	143	510	1.00	250	46	47	46	42	41	35
400	190	680	1.00	250	50	51	48	43	44	39
500	235	840	1.00	250	52	53	49	45	46	42
600	280	1000	1.00	250	55	55	51	47	47	44
700	330	1175	1.00	250	57	55	52	49	49	46
800	380	1350	1.00	250	58	56	53	51	50	47
900	425	1525	1.00	250	59	57	54	52	51	48
1000	470	1700	1.00	250	61	58	55	53	52	49

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	95	340	1.50	375	44	46	45	41	47	38
300	143	510	1.50	375	48	50	48	44	48	41
400	190	680	1.50	375	52	53	51	47	49	43
500	235	840	1.50	375	54	55	53	49	50	46
600	280	1000	1.50	375	56	58	54	51	52	49
700	330	1175	1.50	375	58	59	56	53	53	51
800	380	1350	1.50	375	60	61	57	55	55	53
900	425	1525	1.50	375	61	61	58	56	56	54
1000	470	1700	1.50	375	62	62	59	57	57	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	95	340	2.00	500	45	47	46	42	50	45
300	143	510	2.00	500	49	51	50	45	50	46
400	190	680	2.00	500	53	55	53	49	51	47
500	235	840	2.00	500	56	58	55	51	52	49
600	280	1000	2.00	500	58	60	56	53	54	51
700	330	1175	2.00	500	60	62	58	55	56	53
800	380	1350	2.00	500	61	63	60	57	57	56
900	425	1525	2.00	500	62	64	61	59	58	57
1000	470	1700	2.00	500	63	65	62	60	60	58

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	95	340	2.50	625	46	49	47	43	51	50
300	143	510	2.50	625	50	52	51	47	52	50
400	190	680	2.50	625	54	56	55	50	53	51
500	235	840	2.50	625	57	59	57	52	54	52
600	280	1000	2.50	625	59	61	59	55	56	54
700	330	1175	2.50	625	61	63	61	57	58	56
800	380	1350	2.50	625	62	64	62	59	59	57
900	425	1525	2.50	625	63	66	63	60	61	59
1000	470	1700	2.50	625	64	67	64	62	62	60

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	95	340	3.00	750	47	50	48	44	52	52
300	143	510	3.00	750	51	54	52	48	53	53
400	190	680	3.00	750	56	57	56	51	55	54
500	235	840	3.00	750	58	59	58	54	56	55
600	280	1000	3.00	750	60	62	60	57	58	56
700	330	1175	3.00	750	61	63	62	58	59	57
800	380	1350	3.00	750	63	65	64	60	61	59
900	425	1525	3.00	750	64	67	65	62	62	60
1000	470	1700	3.00	750	65	68	66	64	64	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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls
Accel II Airflow Control Valves

Low Pressure
Supply Sound Power Level Performance Data
Dual 12

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	190	680	0.30	75	43	40	37	38	30	22
600	280	1000	0.30	75	44	41	38	44	37	29
800	380	1350	0.30	75	45	42	39	45	38	30
1000	470	1700	0.30	75	47	43	40	46	40	31
1200	560	2050	0.30	75	50	46	41	47	41	33
1400	660	2400	0.30	75	52	49	48	51	46	46
1600	750	2700	0.30	75	54	51	50	54	51	48
1800	850	3050	0.30	75	56	53	51	55	53	50
2000	940	3400	0.30	75	57	55	52	56	54	51
400	190	680	0.60	150	47	45	46	45	37	30
600	285	1015	0.60	150	50	47	47	49	42	36
800	380	1350	0.60	150	52	48	47	52	46	41
1000	470	1700	0.30	113	51	47	44	50	44	37
1200	560	2050	0.60	150	57	52	49	55	49	43
1400	655	2375	0.60	113	55	51	47	52	46	41
1600	750	2700	0.60	150	61	55	52	57	52	49
1800	845	3050	0.60	150	62	56	54	59	53	52
2000	940	3400	0.60	150	62	58	55	60	55	55
400	190	680	1.00	250	48	49	50	51	45	38
600	285	1015	1.00	250	52	52	51	54	48	43
800	380	1350	1.00	250	55	54	52	57	52	48
1000	470	1700	1.00	250	58	56	54	60	54	50
1200	560	2050	1.00	250	61	57	55	62	56	52
1400	655	2375	1.00	250	63	59	56	62	57	53
1600	750	2700	1.00	250	64	60	57	63	57	53
1800	845	3050	1.00	250	66	61	58	64	58	55
2000	940	3400	1.00	250	67	62	60	64	58	56
400	190	680	1.50	375	50	51	52	54	52	44
600	285	1015	1.50	375	53	55	54	57	54	48
800	380	1350	1.50	375	56	58	56	60	56	52
1000	470	1700	1.50	375	59	60	58	63	58	54
1200	560	2050	1.50	375	62	62	59	66	61	57
1400	655	2375	1.50	375	64	64	61	67	62	58
1600	750	2700	1.50	375	65	65	62	68	63	59
1800	845	3050	1.50	375	67	66	63	69	63	60
2000	940	3400	1.50	375	69	66	63	69	64	60

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	190	680	2.00	500	51	52	54	57	56	50
600	285	1015	2.00	500	54	56	57	60	57	53
800	380	1350	2.00	500	57	60	59	63	58	55
1000	470	1700	2.00	500	60	62	60	65	61	57
1200	560	2050	2.00	500	63	65	62	68	63	60
1400	655	2375	2.00	500	65	66	64	70	64	61
1600	750	2700	2.00	500	66	68	65	72	66	63
1800	845	3050	2.00	500	68	69	66	73	67	64
2000	940	3400	2.00	500	70	69	67	73	67	64
400	190	680	2.50	625	52	53	55	58	58	55
600	285	1015	2.50	625	55	57	58	61	59	56
800	380	1350	2.50	625	58	61	61	64	60	57
1000	470	1700	2.50	625	61	63	63	67	63	60
1200	560	2050	2.50	625	64	66	65	69	65	62
1400	655	2375	2.50	625	66	68	66	71	66	63
1600	750	2700	2.50	625	67	69	67	73	68	65
1800	845	3050	2.50	625	69	70	69	74	69	66
2000	940	3400	2.50	625	71	71	70	75	70	67
400	190	680	3.00	750	53	54	56	59	60	57
600	285	1015	3.00	750	56	58	59	62	61	58
800	380	1350	3.00	750	59	62	62	66	62	60
1000	470	1700	2.50	688	62	64	64	68	64	61
1200	560	2050	3.00	750	65	67	67	71	67	64
1400	655	2375	3.00	688	66	68	67	72	67	64
1600	750	2700	3.00	750	68	70	69	74	70	66
1800	845	3050	3.00	750	70	71	70	76	71	68
2000	940	3400	3.00	750	72	73	71	77	72	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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls
Accel II Airflow Control Valves

Low Pressure
Supply Sound Power Level Performance Data
Dual 12 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	190	680	0.30	75	43	39	37	34	28	22
600	280	1000	0.30	75	44	40	38	36	31	25
800	380	1350	0.30	75	45	41	39	38	33	27
1000	470	1700	0.30	75	47	43	40	40	37	28
1200	560	2050	0.30	75	50	46	41	42	40	32
1400	660	2400	0.30	75	52	48	46	45	46	40
1600	750	2700	0.30	75	54	51	49	47	49	44
1800	850	3050	0.30	75	55	52	50	48	50	47
2000	940	3400	0.30	75	57	54	51	50	51	48
400	190	680	0.60	150	47	45	45	40	34	29
600	285	1015	0.60	150	49	47	46	43	38	33
800	380	1350	0.60	150	51	48	46	46	42	38
1000	470	1700	0.30	113	51	47	44	44	41	35
1200	560	2050	0.60	150	57	52	49	49	45	40
1400	655	2375	0.60	113	55	51	46	46	44	38
1600	750	2700	0.60	150	60	55	51	51	48	45
1800	845	3050	0.60	150	61	56	53	53	50	48
2000	940	3400	0.60	150	62	58	54	55	52	52
400	190	680	1.00	250	48	48	49	44	41	35
600	285	1015	1.00	250	52	51	50	48	44	39
800	380	1350	1.00	250	55	53	52	51	48	44
1000	470	1700	1.00	250	58	55	53	53	49	46
1200	560	2050	1.00	250	61	57	55	55	51	48
1400	655	2375	1.00	250	62	59	56	56	52	49
1600	750	2700	1.00	250	64	60	57	57	53	50
1800	845	3050	1.00	250	66	61	58	58	54	51
2000	940	3400	1.00	250	67	62	59	59	55	53
400	190	680	1.50	375	49	49	51	48	49	41
600	285	1015	1.50	375	52	53	53	51	50	45
800	380	1350	1.50	375	56	58	55	54	52	48
1000	470	1700	1.50	375	59	60	57	57	54	51
1200	560	2050	1.50	375	62	62	59	59	56	54
1400	655	2375	1.50	375	64	63	60	61	57	55
1600	750	2700	1.50	375	65	64	62	62	59	56
1800	845	3050	1.50	375	67	65	62	63	59	56
2000	940	3400	1.50	375	69	66	63	64	60	57

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	190	680	2.00	500	50	51	52	50	53	47
600	285	1015	2.00	500	54	55	55	53	54	49
800	380	1350	2.00	500	57	59	58	57	55	52
1000	470	1700	2.00	500	60	62	60	59	57	54
1200	560	2050	2.00	500	63	64	62	61	59	56
1400	655	2375	2.00	500	65	66	63	63	60	58
1600	750	2700	2.00	500	66	67	65	65	62	59
1800	845	3050	2.00	500	68	68	66	66	63	60
2000	940	3400	2.00	500	70	69	67	67	63	60
400	190	680	2.50	625	51	52	53	52	55	52
600	285	1015	2.50	625	55	56	56	55	56	53
800	380	1350	2.50	625	58	60	60	58	56	54
1000	470	1700	2.50	625	61	63	62	61	59	56
1200	560	2050	2.50	625	64	65	64	63	61	58
1400	655	2375	2.50	625	66	67	65	65	62	60
1600	750	2700	2.50	625	67	69	67	67	64	61
1800	845	3050	2.50	625	69	70	68	68	65	62
2000	940	3400	2.50	625	71	71	69	70	66	63
400	190	680	3.00	750	52	53	54	53	57	55
600	285	1015	3.00	750	56	57	58	56	58	56
800	380	1350	3.00	750	59	61	62	60	58	56
1000	470	1700	2.50	688	62	63	63	62	59	57
1200	560	2050	3.00	750	65	66	66	65	62	60
1400	655	2375	3.00	688	66	68	66	66	63	61
1600	750	2700	3.00	750	68	70	68	68	66	63
1800	845	3050	3.00	750	70	72	69	70	67	64
2000	940	3400	3.00	750	72	73	71	71	68	65

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

Low Pressure
Supply 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	0.30	75	32	37	38	34	27	22
600	283	1019	0.30	75	33	41	38	38	33	26
800	378	1359	0.30	75	35	46	39	42	38	30
1000	472	1699	0.30	75	39	47	41	44	40	33
1200	566	2039	0.30	75	44	49	43	47	43	36
1400	661	2379	0.30	75	46	51	44	48	44	37
1600	755	2718	0.30	75	48	54	45	49	45	39
1800	850	3058	0.30	75	51	54	47	49	45	40
2000	944	3398	0.30	75	53	54	49	50	46	41
2200	1038	3738	0.30	75	55	57	50	51	45	42
2400	1133	4078	0.30	75	58	59	51	51	45	42
2600	1227	4417	0.30	75	59	61	53	52	45	42
2800	1321	4757	0.30	75	60	62	54	53	46	43
400	189	680	0.60	150	39	42	42	40	33	30
600	283	1019	0.60	150	41	46	44	44	39	34
800	378	1359	0.60	150	42	51	47	49	44	38
1000	472	1699	0.60	150	46	53	49	51	47	41
1200	566	2039	0.60	150	50	54	50	53	49	44
1400	661	2379	0.60	150	50	56	52	55	50	45
1600	755	2718	0.60	150	51	58	53	56	51	47
1800	850	3058	0.60	150	54	59	54	57	51	48
2000	944	3398	0.60	150	58	59	56	57	52	49
2200	1038	3738	0.60	150	60	62	57	58	53	50
2400	1133	4078	0.60	150	62	64	58	59	54	50
2600	1227	4417	0.60	150	63	65	59	59	54	51
2800	1321	4757	0.60	150	64	67	60	59	55	51
400	189	680	1.00	250	41	45	46	44	37	37
600	283	1019	1.00	250	44	50	49	49	43	40
800	378	1359	1.00	250	47	55	52	53	49	44
1000	472	1699	1.00	250	51	57	54	56	52	47
1200	566	2039	1.00	250	54	59	56	58	54	49
1400	661	2379	1.00	250	56	60	57	60	56	51
1600	755	2718	1.00	250	57	62	58	61	58	53
1800	850	3058	1.00	250	59	63	60	62	58	54
2000	944	3398	1.00	250	61	64	61	63	59	55
2200	1038	3738	1.00	250	63	66	62	64	60	56
2400	1133	4078	1.00	250	65	68	63	64	60	57
2600	1227	4417	1.00	250	66	69	64	65	60	57
2800	1321	4757	1.00	250	67	70	65	66	61	57
400	189	680	1.50	375	44	48	49	47	40	43
600	283	1019	1.50	375	47	53	53	52	47	46
800	378	1359	1.50	375	51	58	57	57	53	49
1000	472	1699	1.50	375	53	60	59	59	55	51
1200	566	2039	1.50	375	56	62	60	62	58	54
1400	661	2379	1.50	375	58	64	61	64	60	55
1600	755	2718	1.50	375	60	65	63	65	62	57
1800	850	3058	1.50	375	62	67	64	66	63	58
2000	944	3398	1.50	375	65	68	65	67	64	60
2200	1038	3738	1.50	375	66	70	66	68	64	60
2400	1133	4078	1.50	375	68	71	67	69	65	61
2600	1227	4417	1.50	375	69	72	68	69	65	62
2800	1321	4757	1.50	375	69	73	68	70	66	62

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	45	50	51	50	43	47
600	283	1019	2.00	500	49	55	55	55	49	50
800	378	1359	2.00	500	53	60	60	60	55	52
1000	472	1699	2.00	500	56	62	61	62	58	55
1200	566	2039	2.00	500	58	64	63	65	61	57
1400	661	2379	2.00	500	60	66	64	66	63	59
1600	755	2718	2.00	500	62	68	66	68	65	60
1800	850	3058	2.00	500	64	69	67	69	66	62
2000	944	3398	2.00	500	66	71	68	70	67	63
2200	1038	3738	2.00	500	68	72	69	71	68	64
2400	1133	4078	2.00	500	69	73	70	72	69	65
2600	1227	4417	2.00	500	70	74	71	73	69	65
2800	1321	4757	2.00	500	72	76	71	73	70	66
400	189	680	2.50	625	46	51	53	52	45	51
600	283	1019	2.50	625	50	57	57	57	51	53
800	378	1359	2.50	625	55	62	62	62	58	55
1000	472	1699	2.50	625	57	64	64	64	60	57
1200	566	2039	2.50	625	60	67	65	67	63	59
1400	661	2379	2.50	625	62	68	66	69	65	61
1600	755	2718	2.50	625	64	70	67	70	67	63
1800	850	3058	2.50	625	66	71	68	71	68	64
2000	944	3398	2.50	625	68	73	70	73	70	66
2200	1038	3738	2.50	625	70	74	70	73	70	66
2400	1133	4078	2.50	625	71	75	71	74	71	66
2600	1227	4417	2.50	625	72	76	72	75	72	67
2800	1321	4757	2.50	625	73	77	73	76	72	69
400	189	680	3.00	750	47	52	54	53	46	54
600	283	1019	3.00	750	51	57	59	58	53	56
800	378	1359	3.00	750	56	63	64	63	59	57
1000	472	1699	3.00	750	58	65	66	66	62	59
1200	566	2039	3.00	750	61	67	67	69	65	61
1400	661	2379	3.00	750	63	69	68	70	67	63
1600	755	2718	3.00	750	65	72	69	72	69	65
1800	850	3058	3.00	750	67	73	71	73	70	66
2000	944	3398	3.00	750	69	74	72	74	72	68
2200	1038	3738	3.00	750	71	75	73	75	72	69
2400	1133	4078	3.00	750	72	76	74	76	73	70
2600	1227	4417	3.00	750	73	77	75	77	74	70
2800	1321	4757	3.00	750	74	79	75	78	75	71

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

Low Pressure
Supply 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	0.30	75	32	37	38	27	22	< 20
600	283	1019	0.30	75	33	41	38	31	27	21
800	378	1359	0.30	75	35	46	39	35	32	25
1000	472	1699	0.30	75	39	47	41	37	35	28
1200	566	2039	0.30	75	44	49	43	39	37	31
1400	661	2379	0.30	75	46	51	44	40	38	32
1600	755	2718	0.30	75	48	54	45	42	39	34
1800	850	3058	0.30	75	51	54	47	42	40	35
2000	944	3398	0.30	75	53	54	49	43	40	36
2200	1038	3738	0.30	75	55	57	50	43	40	37
2400	1133	4078	0.30	75	58	59	51	44	39	37
2600	1227	4417	0.30	75	59	61	53	45	40	37
2800	1321	4757	0.30	75	60	62	54	46	41	38

400	189	680	0.60	150	39	42	42	32	27	25
600	283	1019	0.60	150	40	46	44	37	33	29
800	378	1359	0.60	150	42	51	46	41	39	33
1000	472	1699	0.60	150	45	53	48	44	41	36
1200	566	2039	0.60	150	49	54	50	46	44	39
1400	661	2379	0.60	150	50	56	51	47	44	40
1600	755	2718	0.60	150	50	58	53	49	45	42
1800	850	3058	0.60	150	54	59	54	49	46	43
2000	944	3398	0.60	150	58	60	55	50	46	44
2200	1038	3738	0.60	150	60	62	57	51	47	45
2400	1133	4078	0.60	150	62	65	58	52	48	45
2600	1227	4417	0.60	150	63	66	59	52	49	46
2800	1321	4757	0.60	150	64	67	60	52	49	46

400	189	680	1.00	250	41	45	47	37	31	31
600	283	1019	1.00	250	44	50	49	41	37	35
800	378	1359	1.00	250	47	55	52	46	43	39
1000	472	1699	1.00	250	50	56	54	48	46	42
1200	566	2039	1.00	250	53	58	55	51	49	44
1400	661	2379	1.00	250	55	60	57	52	50	46
1600	755	2718	1.00	250	57	62	58	54	52	47
1800	850	3058	1.00	250	59	63	59	55	53	49
2000	944	3398	1.00	250	61	64	60	56	54	50
2200	1038	3738	1.00	250	63	66	62	56	54	51
2400	1133	4078	1.00	250	65	68	63	57	54	51
2600	1227	4417	1.00	250	66	69	64	58	55	52
2800	1321	4757	1.00	250	67	71	65	59	55	52

400	189	680	1.50	375	44	48	49	40	35	37
600	283	1019	1.50	375	47	53	53	45	41	41
800	378	1359	1.50	375	51	58	56	50	47	44
1000	472	1699	1.50	375	53	60	58	52	50	46
1200	566	2039	1.50	375	56	62	59	55	53	49
1400	661	2379	1.50	375	58	64	61	56	54	50
1600	755	2718	1.50	375	59	66	62	58	56	52
1800	850	3058	1.50	375	62	67	63	59	57	53
2000	944	3398	1.50	375	64	69	65	60	58	54
2200	1038	3738	1.50	375	65	70	65	61	59	55
2400	1133	4078	1.50	375	67	71	66	62	59	56
2600	1227	4417	1.50	375	68	72	67	62	60	57
2800	1321	4757	1.50	375	69	74	68	63	60	57

400	189	680	2.00	500	46	50	50	43	37	42
600	283	1019	2.00	500	50	55	55	48	43	45
800	378	1359	2.00	500	54	60	59	53	50	47
1000	472	1699	2.00	500	56	62	61	55	52	49
1200	566	2039	2.00	500	59	64	62	58	55	52
1400	661	2379	2.00	500	60	66	64	59	57	53
1600	755	2718	2.00	500	62	68	65	61	59	55
1800	850	3058	2.00	500	64	69	66	62	60	57
2000	944	3398	2.00	500	66	71	67	63	61	58
2200	1038	3738	2.00	500	68	72	68	64	62	59
2400	1133	4078	2.00	500	69	73	69	65	63	60
2600	1227	4417	2.00	500	70	74	70	65	63	60
2800	1321	4757	2.00	500	71	75	71	66	64	61

400	189	680	2.50	625	46	51	53	45	40	47
600	283	1019	2.50	625	51	56	57	50	47	49
800	378	1359	2.50	625	55	61	62	55	53	51
1000	472	1699	2.50	625	58	64	63	58	56	53
1200	566	2039	2.50	625	60	66	65	60	59	55
1400	661	2379	2.50	625	62	68	66	62	61	57
1600	755	2718	2.50	625	63	70	67	64	63	59
1800	850	3058	2.50	625	65	71	68	65	64	60
2000	944	3398	2.50	625	68	72	69	66	65	61
2200	1038	3738	2.50	625	69	74	70	67	66	61
2400	1133	4078	2.50	625	71	75	71	68	67	61
2600	1227	4417	2.50	625	71	76	72	68	67	63
2800	1321	4757	2.50	625	72	77	73	69	68	64

400	189	680	3.00	750	48	52	55	47	42	50
600	283	1019	3.00	750	52	57	59	52	48	51
800	378	1359	3.00	750	56	63	64	57	55	53
1000	472	1699	3.00	750	59	65	65	59	57	55
1200	566	2039	3.00	750	61	67	66	62	60	57
1400	661	2379	3.00	750	63	69	68	64	62	59
1600	755	2718	3.00	750	64	71	69	65	64	61
1800	850	3058	3.00	750	67	72	70	67	66	62
2000	944	3398	3.00	750	69	74	71	68	67	63
2200	1038	3738	3.00	750	70	75	71	69	68	64
2400	1133	4078	3.00	750	72	76	72	69	69	65
2600	1227	4417	3.00	750	73	77	73	70	69	66
2800	1321	4757	3.00	750	73	78	74	71	70	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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls
Accel II Airflow Control Valves

Low Pressure
Supply Sound Power Level Performance Data
Triple 12

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	280	1000	0.30	75	45	42	39	42	33	27
900	420	1550	0.30	75	47	43	40	46	39	31
1200	560	2050	0.30	75	48	44	41	47	40	32
1500	710	2550	0.30	75	50	45	42	48	42	33
1800	850	3050	0.30	75	52	48	43	49	43	35
2100	990	3550	0.30	75	55	51	50	53	48	48
2400	1150	4050	0.30	75	56	54	52	56	53	50
2700	1250	4600	0.30	75	57	56	53	57	55	52
3000	1400	5100	0.30	75	59	57	54	58	56	53
600	280	1000	0.60	150	49	49	48	47	39	32
900	420	1525	0.60	150	52	50	48	50	44	38
1200	560	2050	0.60	150	56	52	49	54	49	43
1500	705	2550	0.60	150	58	53	50	55	50	45
1800	850	3050	0.60	150	59	55	51	57	51	46
2100	1000	3550	0.60	150	61	56	52	58	53	50
2400	1150	4050	0.60	150	63	58	54	59	54	53
2700	1275	4575	0.60	150	64	59	56	61	56	55
3000	1400	5100	0.60	150	65	61	57	62	57	57
600	280	1000	1.00	250	50	53	52	53	47	40
900	420	1525	1.00	250	54	55	53	56	51	45
1200	560	2050	1.00	250	58	57	54	59	54	50
1500	705	2550	1.00	250	60	58	55	61	56	52
1800	850	3050	1.00	250	63	60	57	64	58	54
2100	1000	3550	1.00	250	65	61	58	64	59	55
2400	1150	4050	1.00	250	67	63	59	65	60	56
2700	1275	4575	1.00	250	68	64	60	66	60	57
3000	1400	5100	1.00	250	69	66	62	67	61	58
600	280	1000	1.50	375	52	54	54	56	54	47
900	420	1525	1.50	375	55	58	56	59	56	50
1200	560	2050	1.50	375	59	62	58	62	58	54
1500	705	2550	1.50	375	61	64	59	65	61	56
1800	850	3050	1.50	375	64	65	61	68	63	59
2100	1000	3550	1.50	375	66	66	62	69	64	60
2400	1150	4050	1.50	375	68	67	64	70	65	61
2700	1275	4575	1.50	375	69	68	64	70	65	61
3000	1400	5100	1.50	375	71	69	65	71	66	62

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	280	1000	2.00	500	53	55	56	58	58	53
900	420	1525	2.00	500	56	59	58	62	60	55
1200	560	2050	2.00	500	60	63	61	65	61	57
1500	705	2550	2.00	500	62	66	62	67	63	60
1800	850	3050	2.00	500	65	68	64	70	65	62
2100	1000	3550	2.00	500	67	69	65	72	67	64
2400	1150	4050	2.00	500	69	71	67	74	69	65
2700	1275	4575	2.00	500	70	71	68	75	69	66
3000	1400	5100	2.00	500	72	72	69	75	70	66
600	280	1000	2.50	625	54	57	57	60	60	57
900	420	1525	2.50	625	57	61	60	63	61	58
1200	560	2050	2.50	625	61	64	63	66	63	59
1500	705	2550	2.50	625	63	67	65	69	65	62
1800	850	3050	2.50	625	66	70	67	71	67	64
2100	1000	3550	2.50	625	68	71	68	73	69	65
2400	1150	4050	2.50	625	70	72	69	75	70	67
2700	1275	4575	2.50	625	71	73	70	76	72	68
3000	1400	5100	2.50	625	73	74	72	77	73	69
600	280	1000	3.00	750	55	57	58	61	62	59
900	420	1525	3.00	750	58	61	61	64	63	60
1200	560	2050	3.00	750	62	65	65	68	64	61
1500	705	2550	3.00	750	64	68	67	70	67	63
1800	850	3050	3.00	750	67	70	69	73	69	65
2100	1000	3550	3.00	750	69	72	70	74	71	67
2400	1150	4050	3.00	750	71	74	71	76	72	69
2700	1275	4575	3.00	750	72	74	72	78	73	70
3000	1400	5100	3.00	750	74	75	73	79	75	71

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

Low Pressure
Supply Sound Power Level Performance Data
Triple 12 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
600	280	1000	0.30	75	45	41	38	34	29	22
900	420	1550	0.30	75	47	42	39	36	31	25
1200	560	2050	0.30	75	48	42	40	38	33	28
1500	710	2550	0.30	75	50	44	41	40	37	29
1800	850	3050	0.30	75	52	48	43	42	41	33
2100	990	3550	0.30	75	54	49	46	45	46	40
2400	1150	4050	0.30	75	55	52	50	48	49	45
2700	1250	4600	0.30	75	57	54	51	49	51	48
3000	1400	5100	0.30	75	59	56	53	51	52	49
600	280	1000	0.60	150	49	47	46	41	35	30
900	420	1525	0.60	150	51	49	47	44	39	35
1200	560	2050	0.60	150	54	50	48	47	43	39
1500	705	2550	0.60	150	56	52	49	48	44	40
1800	850	3050	0.60	150	59	53	50	50	45	42
2100	1000	3550	0.60	150	61	55	51	51	47	44
2400	1150	4050	0.60	150	62	57	52	52	48	46
2700	1275	4575	0.60	150	63	58	54	54	50	49
3000	1400	5100	0.60	150	64	59	55	55	53	52
600	280	1000	1.00	250	50	50	50	45	43	36
900	420	1525	1.00	250	53	53	52	48	45	41
1200	560	2050	1.00	250	56	55	53	51	48	45
1500	705	2550	1.00	250	59	57	54	53	50	47
1800	850	3050	1.00	250	62	59	56	55	52	49
2100	1000	3550	1.00	250	64	60	57	56	53	50
2400	1150	4050	1.00	250	66	62	58	58	54	51
2700	1275	4575	1.00	250	67	63	59	59	55	53
3000	1400	5100	1.00	250	69	64	60	60	56	54
600	280	1000	1.50	375	51	51	53	49	49	42
900	420	1525	1.50	375	54	55	55	52	51	46
1200	560	2050	1.50	375	57	59	57	55	53	49
1500	705	2550	1.50	375	60	61	58	57	55	52
1800	850	3050	1.50	375	63	63	60	60	57	54
2100	1000	3550	1.50	375	65	64	61	61	58	56
2400	1150	4050	1.50	375	67	66	63	63	59	57
2700	1275	4575	1.50	375	69	67	63	63	60	57
3000	1400	5100	1.50	375	71	68	64	64	60	58

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	280	1000	2.00	500	52	52	54	51	53	48
900	420	1525	2.00	500	55	57	56	54	54	50
1200	560	2050	2.00	500	59	61	59	57	55	53
1500	705	2550	2.00	500	61	63	61	59	57	55
1800	850	3050	2.00	500	64	65	63	62	59	57
2100	1000	3550	2.00	500	66	67	64	64	61	59
2400	1150	4050	2.00	500	68	68	66	65	62	60
2700	1275	4575	2.00	500	70	70	67	66	63	61
3000	1400	5100	2.00	500	72	71	68	68	64	61
600	280	1000	2.50	625	54	54	56	53	55	53
900	420	1525	2.50	625	57	58	58	56	56	54
1200	560	2050	2.50	625	60	62	61	59	57	55
1500	705	2550	2.50	625	63	64	63	61	59	57
1800	850	3050	2.50	625	65	67	65	64	61	59
2100	1000	3550	2.50	625	67	69	66	65	63	61
2400	1150	4050	2.50	625	69	70	67	67	64	62
2700	1275	4575	2.50	625	71	72	69	68	65	63
3000	1400	5100	2.50	625	73	73	70	70	66	64
600	280	1000	3.00	750	55	55	57	54	57	56
900	420	1525	3.00	750	58	58	60	57	58	57
1200	560	2050	3.00	750	61	62	63	60	59	57
1500	705	2550	3.00	750	64	65	65	63	61	59
1800	850	3050	3.00	750	67	68	67	65	63	61
2100	1000	3550	3.00	750	69	70	68	67	64	63
2400	1150	4050	3.00	750	70	72	69	69	66	64
2700	1275	4575	3.00	750	72	73	70	70	67	65
3000	1400	5100	3.00	750	74	74	71	71	68	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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls
Accel II Airflow Control Valves

Low Pressure
Supply 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	284	1020	0.30	75	34	38	38	35	27	22
900	426	1529	0.30	75	36	42	40	39	33	26
1200	568	2039	0.30	75	39	47	42	44	38	31
1500	707	2539	0.30	75	44	48	43	46	41	34
1800	846	3039	0.30	75	49	49	45	48	44	37
2100	991	3554	0.30	75	51	52	46	49	45	39
2400	1135	4068	0.30	75	53	54	48	50	46	40
2700	1275	4583	0.30	75	55	54	49	51	47	42
3000	1414	5098	0.30	75	57	55	51	51	48	43
3300	1556	5607	0.30	75	59	57	52	52	48	44
3600	1699	6116	0.30	75	61	60	53	53	48	45
3900	1841	6626	0.30	75	62	61	54	54	49	46
4200	1982	7136	0.30	75	63	62	55	54	50	46
600	284	1020	0.60	150	40	43	44	41	36	31
900	426	1529	0.60	150	42	48	46	45	41	35
1200	568	2039	0.60	150	45	52	49	50	46	39
1500	707	2539	0.60	150	49	54	51	52	48	42
1800	846	3039	0.60	150	54	55	53	54	51	45
2100	991	3554	0.60	150	56	57	54	56	52	47
2400	1135	4068	0.60	150	58	58	55	57	53	48
2700	1275	4583	0.60	150	59	59	56	58	53	49
3000	1414	5098	0.60	150	61	60	58	59	54	51
3300	1556	5607	0.60	150	64	62	59	60	55	51
3600	1699	6116	0.60	150	66	64	60	60	56	52
3900	1841	6626	0.60	150	67	66	60	61	56	53
4200	1982	7136	0.60	150	68	67	61	61	57	53
600	284	1020	1.00	250	43	47	49	45	40	39
900	426	1529	1.00	250	46	52	51	50	45	42
1200	568	2039	1.00	250	49	56	54	55	51	46
1500	707	2539	1.00	250	53	58	56	57	53	48
1800	846	3039	1.00	250	57	60	58	59	56	51
2100	991	3554	1.00	250	59	61	59	61	58	52
2400	1135	4068	1.00	250	61	63	60	62	59	54
2700	1275	4583	1.00	250	63	64	62	63	60	55
3000	1414	5098	1.00	250	64	65	63	64	61	57
3300	1556	5607	1.00	250	66	67	64	65	61	57
3600	1699	6116	1.00	250	68	68	65	66	62	58
3900	1841	6626	1.00	250	69	70	66	66	62	59
4200	1982	7136	1.00	250	70	71	67	67	63	59
600	284	1020	1.50	375	45	50	53	49	43	44
900	426	1529	1.50	375	49	55	56	53	49	47
1200	568	2039	1.50	375	53	59	59	58	55	51
1500	707	2539	1.50	375	56	61	60	61	57	53
1800	846	3039	1.50	375	59	63	62	63	60	55
2100	991	3554	1.50	375	61	65	63	65	62	57
2400	1135	4068	1.50	375	63	66	65	66	63	59
2700	1275	4583	1.50	375	65	68	66	67	64	60
3000	1414	5098	1.50	375	67	69	67	68	66	61
3300	1556	5607	1.50	375	69	70	68	69	66	62
3600	1699	6116	1.50	375	70	72	69	70	67	63
3900	1841	6626	1.50	375	71	73	70	71	67	63
4200	1982	7136	1.50	375	72	74	70	72	68	64

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	284	1020	2.00	500	47	52	55	51	46	48
900	426	1529	2.00	500	51	57	58	56	52	51
1200	568	2039	2.00	500	55	61	61	61	57	54
1500	707	2539	2.00	500	58	63	63	63	60	56
1800	846	3039	2.00	500	61	66	65	66	63	58
2100	991	3554	2.00	500	63	67	66	68	64	60
2400	1135	4068	2.00	500	65	69	68	69	66	62
2700	1275	4583	2.00	500	67	70	69	70	68	63
3000	1414	5098	2.00	500	68	72	70	72	69	64
3300	1556	5607	2.00	500	70	73	71	72	69	65
3600	1699	6116	2.00	500	72	74	72	73	70	66
3900	1841	6626	2.00	500	73	75	73	74	71	67
4200	1982	7136	2.00	500	74	76	73	75	71	67
600	283	1019	2.50	625	48	54	56	53	48	52
900	425	1529	2.50	625	52	58	60	58	54	54
1200	566	2039	2.50	625	56	63	64	63	60	57
1500	708	2549	2.50	625	59	65	65	65	62	59
1800	850	3058	2.50	625	62	68	67	68	65	61
2100	991	3568	2.50	625	64	69	68	70	67	63
2400	1133	4078	2.50	625	66	71	69	71	69	64
2700	1274	4587	2.50	625	68	72	71	73	70	66
3000	1416	5097	2.50	625	70	73	72	74	71	67
3300	1557	5607	2.50	625	72	75	73	75	72	67
3600	1699	6116	2.50	625	73	76	74	76	73	68
3900	1841	6626	2.50	625	74	77	74	76	74	69
4200	1982	7136	2.50	625	75	78	75	77	74	70
600	283	1019	3.00	750	49	55	57	55	49	55
900	425	1529	3.00	750	53	59	61	60	55	57
1200	566	2039	3.00	750	57	64	65	65	62	59
1500	708	2549	3.00	750	60	66	67	67	64	61
1800	850	3058	3.00	750	63	68	69	70	67	63
2100	991	3568	3.00	750	65	71	70	71	69	65
2400	1133	4078	3.00	750	67	73	71	73	70	66
2700	1274	4587	3.00	750	69	74	73	75	72	68
3000	1416	5097	3.00	750	71	75	74	76	73	69
3300	1557	5607	3.00	750	73	76	75	77	74	70
3600	1699	6116	3.00	750	74	77	76	78	75	71
3900	1841	6626	3.00	750	75	78	77	78	76	72
4200	1982	7136	3.00	750	76	79	77	79	76	72

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

Low Pressure

Supply Sound Power Level Performance Data

Size 314 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
600	284	1020	0.30	75	34	38	38	27	22	< 20
900	426	1529	0.30	75	36	42	40	31	27	21
1200	568	2039	0.30	75	39	47	42	36	33	26
1500	707	2539	0.30	75	44	48	43	38	36	30
1800	846	3039	0.30	75	49	49	45	40	39	33
2100	991	3554	0.30	75	51	52	46	41	40	34
2400	1135	4068	0.30	75	53	54	48	42	41	36
2700	1275	4583	0.30	75	55	54	49	43	42	37
3000	1414	5098	0.30	75	57	55	51	43	42	39
3300	1556	5607	0.30	75	59	57	52	44	42	40
3600	1699	6116	0.30	75	61	60	53	45	43	41
3900	1841	6626	0.30	75	62	61	54	46	43	41
4200	1982	7136	0.30	75	63	62	55	46	44	42
600	284	1020	0.60	150	40	43	43	33	30	26
900	426	1529	0.60	150	42	48	46	37	35	31
1200	568	2039	0.60	150	45	52	48	42	40	35
1500	707	2539	0.60	150	49	54	50	44	43	38
1800	846	3039	0.60	150	54	55	52	46	46	40
2100	991	3554	0.60	150	56	57	53	48	46	42
2400	1135	4068	0.60	150	58	59	54	49	47	43
2700	1275	4583	0.60	150	59	60	56	50	48	45
3000	1414	5098	0.60	150	61	60	57	51	49	46
3300	1556	5607	0.60	150	63	63	58	52	50	47
3600	1699	6116	0.60	150	65	65	59	52	51	48
3900	1841	6626	0.60	150	66	66	60	53	51	48
4200	1982	7136	0.60	150	67	67	61	53	52	49
600	284	1020	1.00	250	43	47	49	37	35	34
900	426	1529	1.00	250	46	51	51	42	40	38
1200	568	2039	1.00	250	49	56	53	47	45	41
1500	707	2539	1.00	250	53	58	55	49	48	44
1800	846	3039	1.00	250	57	59	57	51	51	46
2100	991	3554	1.00	250	59	61	58	53	52	48
2400	1135	4068	1.00	250	61	63	60	54	54	49
2700	1275	4583	1.00	250	62	64	61	55	55	51
3000	1414	5098	1.00	250	64	65	62	56	56	52
3300	1556	5607	1.00	250	66	67	63	57	56	53
3600	1699	6116	1.00	250	67	69	64	58	57	54
3900	1841	6626	1.00	250	69	70	65	59	57	54
4200	1982	7136	1.00	250	70	71	66	59	58	55
600	284	1020	1.50	375	45	50	52	41	38	39
900	426	1529	1.50	375	49	54	55	46	44	43
1200	568	2039	1.50	375	53	59	58	50	49	46
1500	707	2539	1.50	375	56	61	59	53	52	48
1800	846	3039	1.50	375	59	63	61	55	55	51
2100	991	3554	1.50	375	61	65	62	57	56	52
2400	1135	4068	1.50	375	63	67	64	59	58	54
2700	1275	4583	1.50	375	65	68	65	60	59	55
3000	1414	5098	1.50	375	67	69	66	61	60	57
3300	1556	5607	1.50	375	68	71	67	61	61	57
3600	1699	6116	1.50	375	70	72	68	62	61	58
3900	1841	6626	1.50	375	71	73	69	63	62	59
4200	1982	7136	1.50	375	72	74	70	64	63	60

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	284	1020	2.00	500	47	52	54	43	40	43
900	426	1529	2.00	500	51	57	57	48	46	46
1200	568	2039	2.00	500	56	61	61	53	52	50
1500	707	2539	2.00	500	58	63	62	56	55	52
1800	846	3039	2.00	500	61	65	64	58	57	54
2100	991	3554	2.00	500	63	67	65	60	59	56
2400	1135	4068	2.00	500	65	69	67	61	61	57
2700	1275	4583	2.00	500	67	70	68	63	62	59
3000	1414	5098	2.00	500	68	72	69	64	63	60
3300	1556	5607	2.00	500	70	73	70	65	64	61
3600	1699	6116	2.00	500	71	74	71	65	65	62
3900	1841	6626	2.00	500	72	75	72	66	65	62
4200	1982	7136	2.00	500	73	76	72	67	66	63
600	283	1019	2.50	625	48	54	56	46	43	47
900	425	1529	2.50	625	52	58	59	51	49	50
1200	566	2039	2.50	625	57	63	63	56	55	53
1500	708	2549	2.50	625	60	65	64	58	58	55
1800	850	3058	2.50	625	63	67	66	61	60	57
2100	991	3568	2.50	625	64	69	67	62	62	59
2400	1133	4078	2.50	625	66	71	69	64	64	60
2700	1274	4587	2.50	625	68	72	70	65	65	62
3000	1416	5097	2.50	625	70	73	71	66	67	63
3300	1557	5607	2.50	625	71	75	72	67	67	63
3600	1699	6116	2.50	625	73	76	73	68	68	64
3900	1841	6626	2.50	625	74	77	74	69	69	65
4200	1982	7136	2.50	625	75	78	75	70	69	66
600	283	1019	3.00	750	49	55	57	47	45	50
900	425	1529	3.00	750	54	59	61	52	51	52
1200	566	2039	3.00	750	58	64	65	57	57	55
1500	708	2549	3.00	750	61	66	66	60	59	57
1800	850	3058	3.00	750	63	69	68	62	62	59
2100	991	3568	3.00	750	65	70	69	64	64	61
2400	1133	4078	3.00	750	67	72	71	66	66	62
2700	1274	4587	3.00	750	69	73	72	67	67	64
3000	1416	5097	3.00	750	71	75	73	68	68	65
3300	1557	5607	3.00	750	73	76	73	69	69	66
3600	1699	6116	3.00	750	74	77	74	70	70	67
3900	1841	6626	3.00	750	75	78	75	71	71	67
4200	1982	7136	3.00	750	76	79	76	71	72	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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls
Accel II Airflow Control Valves

Low Pressure
Supply Sound Power Level Performance Data
Quad 12

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	380	1350	0.30	75	46	43	40	41	33	25
1200	560	2050	0.30	75	47	44	41	47	40	32
1600	750	2700	0.30	75	48	45	42	48	41	33
2000	940	3400	0.30	75	50	46	43	49	43	34
2400	1150	4100	0.30	75	53	49	44	50	44	36
2800	1300	4750	0.30	75	55	52	51	54	49	49
3200	1500	5450	0.30	75	57	54	53	57	54	51
3600	1700	6100	0.30	75	59	56	54	58	56	53
4000	1900	6800	0.30	75	60	58	55	59	57	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
800	380	1350	0.60	150	50	48	49	48	40	33
1200	565	2025	0.60	150	53	50	50	52	45	39
1600	750	2700	0.60	150	55	51	50	55	49	44
2000	950	3400	0.60	150	58	53	51	57	51	45
2400	1150	4100	0.60	150	60	55	52	58	52	46
2800	1325	4775	0.60	150	62	56	54	59	53	49
3200	1500	5450	0.60	150	64	58	55	60	55	52
3600	1700	6125	0.60	150	65	59	57	62	56	55
4000	1900	6800	0.60	150	65	61	58	63	58	58

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	380	1350	2.00	500	54	55	57	60	59	53
1200	565	2025	2.00	500	57	59	60	63	60	56
1600	750	2700	2.00	500	60	63	62	66	61	58
2000	950	3400	2.00	500	63	65	63	68	64	60
2400	1150	4100	2.00	500	66	68	65	71	66	63
2800	1325	4775	2.00	500	68	69	67	73	67	64
3200	1500	5450	2.00	500	69	71	68	75	69	66
3600	1700	6125	2.00	500	71	72	69	76	70	67
4000	1900	6800	2.00	500	73	72	70	76	70	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
800	380	1350	1.00	250	51	52	53	54	48	41
1200	565	2025	1.00	250	55	55	54	57	51	46
1600	750	2700	1.00	250	58	57	55	60	55	51
2000	950	3400	1.00	250	61	59	57	63	57	53
2400	1150	4100	1.00	250	64	60	58	65	59	55
2800	1325	4775	1.00	250	66	62	59	65	60	56
3200	1500	5450	1.00	250	67	63	60	66	60	56
3600	1700	6125	1.00	250	69	64	61	67	61	58
4000	1900	6800	1.00	250	70	65	63	67	61	59

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	380	1350	2.50	625	55	56	58	61	61	58
1200	565	2025	2.50	625	58	60	61	64	62	59
1600	750	2700	2.50	625	61	64	64	67	63	60
2000	950	3400	2.50	625	64	66	66	70	66	63
2400	1150	4100	2.50	625	67	69	68	72	68	65
2800	1325	4775	2.50	625	69	71	69	74	69	66
3200	1500	5450	2.50	625	70	72	70	76	71	68
3600	1700	6125	2.50	625	72	73	72	77	72	69
4000	1900	6800	2.50	625	74	74	73	78	73	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	380	1350	1.50	375	53	54	55	57	55	47
1200	565	2025	1.50	375	56	58	57	60	57	51
1600	750	2700	1.50	375	59	61	59	63	59	55
2000	950	3400	1.50	375	62	63	61	66	61	57
2400	1150	4100	1.50	375	65	65	62	69	64	60
2800	1325	4775	1.50	375	67	67	64	70	65	61
3200	1500	5450	1.50	375	68	68	65	71	66	62
3600	1700	6125	1.50	375	70	69	66	72	66	63
4000	1900	6800	1.50	375	72	69	66	72	67	63

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	380	1350	3.00	750	56	57	59	62	63	60
1200	565	2025	3.00	750	59	61	62	65	64	61
1600	750	2700	3.00	750	62	65	65	69	65	63
2000	950	3400	3.00	750	65	67	68	71	67	65
2400	1150	4100	3.00	750	68	70	70	74	70	67
2800	1325	4775	3.00	750	69	71	71	76	71	68
3200	1500	5450	3.00	750	71	73	72	77	73	69
3600	1700	6125	3.00	750	73	74	73	79	74	71
4000	1900	6800	3.00	750	75	76	74	80	75	72

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

Low Pressure
Supply Sound Power Level Performance Data
Quad 12 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
800	380	1350	0.30	75	46	42	40	37	31	25
1200	560	2050	0.30	75	47	43	41	39	34	28
1600	750	2700	0.30	75	48	44	42	41	36	30
2000	940	3400	0.30	75	50	46	43	43	40	31
2400	1150	4100	0.30	75	53	49	44	45	43	35
2800	1300	4750	0.30	75	55	51	49	48	49	43
3200	1500	5450	0.30	75	57	54	52	50	52	47
3600	1700	6100	0.30	75	58	55	53	51	53	50
4000	1900	6800	0.30	75	60	57	54	53	54	51
800	380	1350	0.60	150	50	48	48	43	37	32
1200	565	2025	0.60	150	52	50	49	46	41	36
1600	750	2700	0.60	150	54	51	49	49	45	41
2000	950	3400	0.60	150	57	53	50	51	47	42
2400	1150	4100	0.60	150	60	55	52	52	48	43
2800	1325	4775	0.60	150	62	56	53	53	49	45
3200	1500	5450	0.60	150	63	58	54	54	51	48
3600	1700	6125	0.60	150	64	59	56	56	53	51
4000	1900	6800	0.60	150	65	61	57	58	55	55
800	380	1350	1.00	250	51	51	52	47	44	38
1200	565	2025	1.00	250	55	54	53	51	47	42
1600	750	2700	1.00	250	58	56	55	54	51	47
2000	950	3400	1.00	250	61	58	56	56	52	49
2400	1150	4100	1.00	250	64	60	58	58	54	51
2800	1325	4775	1.00	250	65	62	59	59	55	52
3200	1500	5450	1.00	250	67	63	60	60	56	53
3600	1700	6125	1.00	250	69	64	61	61	57	54
4000	1900	6800	1.00	250	70	65	62	62	58	56
800	380	1350	1.50	375	52	52	54	51	52	44
1200	565	2025	1.50	375	55	56	56	54	53	48
1600	750	2700	1.50	375	59	61	58	57	55	51
2000	950	3400	1.50	375	62	63	60	60	57	54
2400	1150	4100	1.50	375	65	65	62	62	59	57
2800	1325	4775	1.50	375	67	66	63	64	60	58
3200	1500	5450	1.50	375	68	67	65	65	62	59
3600	1700	6125	1.50	375	70	68	65	66	62	59
4000	1900	6800	1.50	375	72	69	66	67	63	60
800	380	1350	2.00	500	53	54	55	53	56	50
1200	565	2025	2.00	500	57	58	58	56	57	52
1600	750	2700	2.00	500	60	62	61	60	58	55
2000	950	3400	2.00	500	63	65	63	62	60	57
2400	1150	4100	2.00	500	66	67	65	64	62	59
2800	1325	4775	2.00	500	68	69	66	66	63	61
3200	1500	5450	2.00	500	69	70	68	68	65	62
3600	1700	6125	2.00	500	71	71	69	69	66	63
4000	1900	6800	2.00	500	73	72	70	70	66	63
800	380	1350	2.50	625	54	55	56	55	58	55
1200	565	2025	2.50	625	58	59	59	58	59	56
1600	750	2700	2.50	625	61	63	63	61	59	57
2000	950	3400	2.50	625	64	66	65	64	62	59
2400	1150	4100	2.50	625	67	68	67	66	64	61
2800	1325	4775	2.50	625	69	70	68	68	65	63
3200	1500	5450	2.50	625	70	72	70	70	67	64
3600	1700	6125	2.50	625	72	73	71	71	68	65
4000	1900	6800	2.50	625	74	74	72	73	69	66
800	380	1350	3.00	750	55	56	57	56	60	58
1200	565	2025	3.00	750	59	60	61	59	61	59
1600	750	2700	3.00	750	62	64	65	63	61	59
2000	950	3400	3.00	750	65	67	67	65	63	61
2400	1150	4100	3.00	750	68	69	69	68	65	63
2800	1325	4775	3.00	750	70	71	70	70	67	65
3200	1500	5450	3.00	750	71	73	71	71	69	66
3600	1700	6125	3.00	750	73	75	72	73	70	67
4000	1900	6800	3.00	750	75	76	74	74	71	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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

Phoenix Controls
Accel II Airflow Control Valves

Low Pressure
Supply 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	0.30	75	35	40	41	37	30	25
1200	566	2039	0.30	75	36	44	41	41	36	29
1600	755	2718	0.30	75	38	49	42	45	41	33
2000	944	3398	0.30	75	42	50	44	47	43	36
2400	1133	4078	0.30	75	47	52	46	50	46	39
2800	1321	4757	0.30	75	49	54	47	51	47	40
3200	1510	5437	0.30	75	51	57	48	52	48	42
3600	1699	6116	0.30	75	54	57	50	52	48	43
4000	1888	6796	0.30	75	56	57	52	53	49	44
4400	2077	7476	0.30	75	58	60	53	54	48	45
4800	2265	8155	0.30	75	61	62	54	54	48	45
5200	2454	8835	0.30	75	62	64	56	55	48	45
5600	2643	9514	0.30	75	63	65	57	56	49	46
800	378	1359	0.60	150	42	45	45	43	36	33
1200	566	2039	0.60	150	44	49	47	47	42	37
1600	755	2718	0.60	150	45	54	50	52	47	41
2000	944	3398	0.60	150	49	56	52	54	50	44
2400	1133	4078	0.60	150	53	57	53	56	52	47
2800	1321	4757	0.60	150	53	59	55	58	53	48
3200	1510	5437	0.60	150	54	61	56	59	54	50
3600	1699	6116	0.60	150	57	62	57	60	54	51
4000	1888	6796	0.60	150	61	62	59	60	55	52
4400	2077	7476	0.60	150	63	65	60	61	56	53
4800	2265	8155	0.60	150	65	67	61	62	57	53
5200	2454	8835	0.60	150	66	68	62	62	57	54
5600	2643	9514	0.60	150	67	70	63	62	58	54
800	378	1359	1.00	250	44	48	49	47	40	40
1200	566	2039	1.00	250	47	53	52	52	46	43
1600	755	2718	1.00	250	50	58	55	56	52	47
2000	944	3398	1.00	250	54	60	57	59	55	50
2400	1133	4078	1.00	250	57	62	59	61	57	52
2800	1321	4757	1.00	250	59	63	60	63	59	54
3200	1510	5437	1.00	250	60	65	61	64	61	56
3600	1699	6116	1.00	250	62	66	63	65	61	57
4000	1888	6796	1.00	250	64	67	64	66	62	58
4400	2077	7476	1.00	250	66	69	65	67	63	59
4800	2265	8155	1.00	250	68	71	66	67	63	60
5200	2454	8835	1.00	250	69	72	67	68	63	60
5600	2643	9514	1.00	250	70	73	68	69	64	60
800	378	1359	1.50	375	47	51	52	50	43	46
1200	566	2039	1.50	375	50	56	56	55	50	49
1600	755	2718	1.50	375	54	61	60	60	56	52
2000	944	3398	1.50	375	56	63	62	62	58	54
2400	1133	4078	1.50	375	59	65	63	65	61	57
2800	1321	4757	1.50	375	61	67	64	67	63	58
3200	1510	5437	1.50	375	63	68	66	68	65	60
3600	1699	6116	1.50	375	65	70	67	69	66	61
4000	1888	6796	1.50	375	68	71	68	70	67	63
4400	2077	7476	1.50	375	69	73	69	71	67	63
4800	2265	8155	1.50	375	71	74	70	72	68	64
5200	2454	8835	1.50	375	72	75	71	72	68	65
5600	2643	9514	1.50	375	72	76	71	73	69	65

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	2.00	500	48	53	54	53	46	50
1200	566	2039	2.00	500	52	58	58	58	52	53
1600	755	2718	2.00	500	56	63	63	63	58	55
2000	944	3398	2.00	500	59	65	64	65	61	58
2400	1133	4078	2.00	500	61	67	66	68	64	60
2800	1321	4757	2.00	500	63	69	67	69	66	62
3200	1510	5437	2.00	500	65	71	69	71	68	63
3600	1699	6116	2.00	500	67	72	70	72	69	65
4000	1888	6796	2.00	500	69	74	71	73	70	66
4400	2077	7476	2.00	500	71	75	72	74	71	67
4800	2265	8155	2.00	500	72	76	73	75	72	68
5200	2454	8835	2.00	500	73	77	74	76	72	68
5600	2643	9514	2.00	500	75	79	74	76	73	69
800	378	1359	2.50	625	49	54	56	55	48	54
1200	566	2039	2.50	625	53	60	60	60	54	56
1600	755	2718	2.50	625	58	65	65	65	61	58
2000	944	3398	2.50	625	60	67	67	67	63	60
2400	1133	4078	2.50	625	63	70	68	70	66	62
2800	1321	4757	2.50	625	65	71	69	72	68	64
3200	1510	5437	2.50	625	67	73	70	73	70	66
3600	1699	6116	2.50	625	69	74	71	74	71	67
4000	1888	6796	2.50	625	71	76	73	76	73	69
4400	2077	7476	2.50	625	73	77	73	76	73	69
4800	2265	8155	2.50	625	74	78	74	77	74	69
5200	2454	8835	2.50	625	75	79	75	78	75	70
5600	2643	9514	2.50	625	76	80	76	79	75	72
800	378	1359	3.00	750	50	55	57	56	49	57
1200	566	2039	3.00	750	54	60	62	61	56	59
1600	755	2718	3.00	750	59	66	67	66	62	60
2000	944	3398	3.00	750	61	68	69	69	65	62
2400	1133	4078	3.00	750	64	70	70	72	68	64
2800	1321	4757	3.00	750	66	72	71	73	70	66
3200	1510	5437	3.00	750	68	75	72	75	72	68
3600	1699	6116	3.00	750	70	76	74	76	73	69
4000	1888	6796	3.00	750	72	77	75	77	75	71
4400	2077	7476	3.00	750	74	78	76	78	75	72
4800	2265	8155	3.00	750	75	79	77	79	76	73
5200	2454	8835	3.00	750	76	80	78	80	77	73
5600	2643	9514	3.00	750	77	82	78	81	78	74

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

Low Pressure

Supply Sound Power Level Performance Data

Size 414 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
800	378	1359	0.30	75	35	40	41	30	25	20
1200	566	2039	0.30	75	36	44	41	34	30	24
1600	755	2718	0.30	75	38	49	42	38	35	28
2000	944	3398	0.30	75	42	50	44	40	38	31
2400	1133	4078	0.30	75	47	52	46	42	40	34
2800	1321	4757	0.30	75	49	54	47	43	41	35
3200	1510	5437	0.30	75	51	57	48	45	42	37
3600	1699	6116	0.30	75	54	57	50	45	43	38
4000	1888	6796	0.30	75	56	57	52	46	43	39
4400	2077	7476	0.30	75	58	60	53	46	43	40
4800	2265	8155	0.30	75	61	62	54	47	42	40
5200	2454	8835	0.30	75	62	64	56	48	43	40
5600	2643	9514	0.30	75	63	65	57	49	44	41

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	42	45	45	35	30	28
1200	566	2039	0.60	150	43	49	47	40	36	32
1600	755	2718	0.60	150	45	54	49	44	42	36
2000	944	3398	0.60	150	48	56	51	47	44	39
2400	1133	4078	0.60	150	52	57	53	49	47	42
2800	1321	4757	0.60	150	53	59	54	50	47	43
3200	1510	5437	0.60	150	53	61	56	52	48	45
3600	1699	6116	0.60	150	57	62	57	52	49	46
4000	1888	6796	0.60	150	61	63	58	53	49	47
4400	2077	7476	0.60	150	63	65	60	54	50	48
4800	2265	8155	0.60	150	65	68	61	55	51	48
5200	2454	8835	0.60	150	66	69	62	55	52	49
5600	2643	9514	0.60	150	67	70	63	55	52	49

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	1.00	250	44	48	50	40	34	34
1200	566	2039	1.00	250	47	53	52	44	40	38
1600	755	2718	1.00	250	50	58	55	49	46	42
2000	944	3398	1.00	250	53	59	57	51	49	45
2400	1133	4078	1.00	250	56	61	58	54	52	47
2800	1321	4757	1.00	250	58	63	60	55	53	49
3200	1510	5437	1.00	250	60	65	61	57	55	50
3600	1699	6116	1.00	250	62	66	62	58	56	52
4000	1888	6796	1.00	250	64	67	63	59	57	53
4400	2077	7476	1.00	250	66	69	65	59	57	54
4800	2265	8155	1.00	250	68	71	66	60	57	54
5200	2454	8835	1.00	250	69	72	67	61	58	55
5600	2643	9514	1.00	250	70	74	68	62	58	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
800	378	1359	1.50	375	47	51	52	43	38	40
1200	566	2039	1.50	375	50	56	56	48	44	44
1600	755	2718	1.50	375	54	61	59	53	50	47
2000	944	3398	1.50	375	56	63	61	55	53	49
2400	1133	4078	1.50	375	59	65	62	58	56	52
2800	1321	4757	1.50	375	61	67	64	59	57	53
3200	1510	5437	1.50	375	62	69	65	61	59	55
3600	1699	6116	1.50	375	65	70	66	62	60	56
4000	1888	6796	1.50	375	67	72	68	63	61	57
4400	2077	7476	1.50	375	68	73	68	64	62	58
4800	2265	8155	1.50	375	70	74	69	65	62	59
5200	2454	8835	1.50	375	71	75	70	65	63	60
5600	2643	9514	1.50	375	72	77	71	66	63	60

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	2.00	500	49	53	53	46	40	45
1200	566	2039	2.00	500	53	58	58	51	46	48
1600	755	2718	2.00	500	57	63	62	56	53	50
2000	944	3398	2.00	500	59	65	64	58	55	52
2400	1133	4078	2.00	500	62	67	65	61	58	55
2800	1321	4757	2.00	500	63	69	67	62	60	56
3200	1510	5437	2.00	500	65	71	68	64	62	58
3600	1699	6116	2.00	500	67	72	69	65	63	60
4000	1888	6796	2.00	500	69	74	70	66	64	61
4400	2077	7476	2.00	500	71	75	71	67	65	62
4800	2265	8155	2.00	500	72	76	72	68	66	63
5200	2454	8835	2.00	500	73	77	73	68	66	63
5600	2643	9514	2.00	500	74	78	74	69	67	64

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	49	54	56	48	43	50
1200	566	2039	2.50	625	54	59	60	53	50	52
1600	755	2718	2.50	625	58	64	65	58	56	54
2000	944	3398	2.50	625	61	67	66	61	59	56
2400	1133	4078	2.50	625	63	69	68	63	62	58
2800	1321	4757	2.50	625	65	71	69	65	64	60
3200	1510	5437	2.50	625	66	73	70	67	66	62
3600	1699	6116	2.50	625	68	74	71	68	67	63
4000	1888	6796	2.50	625	71	75	72	69	68	64
4400	2077	7476	2.50	625	72	77	73	70	69	64
4800	2265	8155	2.50	625	74	78	74	71	70	64
5200	2454	8835	2.50	625	74	79	75	71	70	66
5600	2643	9514	2.50	625	75	80	76	72	71	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
800	378	1359	3.00	750	51	55	58	50	45	53
1200	566	2039	3.00	750	55	60	62	55	51	54
1600	755	2718	3.00	750	59	66	67	60	58	56
2000	944	3398	3.00	750	62	68	68	62	60	58
2400	1133	4078	3.00	750	64	70	69	65	63	60
2800	1321	4757	3.00	750	66	72	71	67	65	62
3200	1510	5437	3.00	750	67	74	72	68	67	64
3600	1699	6116	3.00	750	70	75	73	70	69	65
4000	1888	6796	3.00	750	72	77	74	71	70	66
4400	2077	7476	3.00	750	73	78	74	72	71	67
4800	2265	8155	3.00	750	75	79	75	72	72	68
5200	2454	8835	3.00	750	76	80	76	73	72	69
5600	2643	9514	3.00	750	76	81	77	74	73	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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.