



Accel II Airflow Control Valves
LOW PRESSURE EXHAUST/RETURN
Sound Power Level Data

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Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return 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	37	31	21	< 20	< 20	< 20
100	45	170	0.30	75	40	32	22	< 20	< 20	< 20
150	70	250	0.30	75	41	33	23	23	< 20	< 20
200	95	340	0.30	75	44	39	31	32	26	< 20
250	120	420	0.30	75	45	41	35	35	27	< 20
300	140	510	0.30	75	46	43	37	39	31	21
350	160	590	0.30	75	47	46	40	42	33	23
400	190	680	0.30	75	48	48	42	45	35	26
450	210	760	0.30	75	49	49	44	47	37	28
500	230	850	0.30	75	50	50	45	49	39	31

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	38	33	31	31	24	< 20
100	45	170	0.60	150	43	38	32	32	25	< 20
150	70	250	0.60	150	46	40	33	33	29	20
200	95	340	0.60	150	48	42	36	36	32	24
250	120	420	0.60	150	49	45	39	38	34	26
300	140	510	0.60	150	52	48	43	43	37	30
350	160	590	0.60	150	54	50	46	47	40	33
400	190	680	0.60	150	55	53	48	49	41	35
450	210	760	0.60	150	56	55	51	52	43	37
500	230	850	0.60	150	57	56	53	54	45	38

50	25	85	2.00	500	41	37	36	38	42	38
100	45	170	2.00	500	46	43	45	44	43	39
150	70	250	2.00	500	49	48	48	45	44	40
200	95	340	2.00	500	52	52	49	46	45	41
250	120	420	2.00	500	54	54	51	47	46	42
300	140	510	2.00	500	56	56	52	49	48	43
350	160	590	2.00	500	58	57	54	52	49	44
400	190	680	2.00	500	60	59	57	54	51	46
450	210	760	2.00	500	61	61	59	57	52	47
500	230	850	2.00	500	63	62	61	60	54	48

50	25	85	1.00	250	39	34	34	36	35	26
100	45	170	1.00	250	44	41	40	37	36	27
150	70	250	1.00	250	47	44	41	38	37	29
200	95	340	1.00	250	50	46	43	39	38	31
250	120	420	1.00	250	52	50	45	41	39	33
300	140	510	1.00	250	54	51	47	45	41	35
350	160	590	1.00	250	56	54	51	49	43	37
400	190	680	1.00	250	58	55	53	52	45	39
450	210	760	1.00	250	59	57	55	55	47	41
500	230	850	1.00	250	60	59	57	57	49	42

50	25	85	2.50	625	43	39	37	39	45	41
100	45	170	2.50	625	47	44	46	45	46	42
150	70	250	2.50	625	50	49	50	47	47	43
200	95	340	2.50	625	53	53	51	48	48	44
250	120	420	2.50	625	55	55	53	49	49	45
300	140	510	2.50	625	57	57	55	51	50	46
350	160	590	2.50	625	59	59	56	53	51	47
400	190	680	2.50	625	61	60	58	55	52	48
450	210	760	2.50	625	62	62	61	58	54	49
500	230	850	2.50	625	64	64	63	61	56	50

50	25	85	1.50	375	40	35	35	37	39	34
100	45	170	1.50	375	45	42	43	41	40	35
150	70	250	1.50	375	48	47	44	42	41	36
200	95	340	1.50	375	51	50	46	43	42	37
250	120	420	1.50	375	53	52	48	45	43	38
300	140	510	1.50	375	55	53	50	47	44	39
350	160	590	1.50	375	57	56	53	50	46	41
400	190	680	1.50	375	59	57	55	53	48	42
450	210	760	1.50	375	60	59	58	56	49	44
500	230	850	1.50	375	62	61	60	59	51	45

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

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. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return 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	37	31	< 20	< 20	< 20	< 20
100	45	170	0.30	75	40	32	< 20	< 20	< 20	< 20
150	70	250	0.30	75	41	33	23	< 20	< 20	< 20
200	95	340	0.30	75	43	39	31	< 20	< 20	< 20
250	120	420	0.30	75	44	41	35	21	< 20	< 20
300	140	510	0.30	75	46	43	37	23	< 20	< 20
350	160	590	0.30	75	47	46	40	30	24	< 20
400	190	680	0.30	75	48	48	42	32	26	21
450	210	760	0.30	75	49	49	44	35	29	24
500	230	850	0.30	75	50	50	45	37	30	25

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	38	33	30	< 20	< 20	< 20
100	45	170	0.60	150	43	38	32	< 20	< 20	< 20
150	70	250	0.60	150	46	40	33	< 20	< 20	< 20
200	95	340	0.60	150	48	42	36	< 20	< 20	< 20
250	120	420	0.60	150	49	45	39	24	21	< 20
300	140	510	0.60	150	52	48	43	29	25	24
350	160	590	0.60	150	54	50	46	33	28	27
400	190	680	0.60	150	55	53	48	36	31	29
450	210	760	0.60	150	56	55	51	40	34	31
500	230	850	0.60	150	57	56	53	43	37	33

50	25	85	2.00	500	41	37	33	23	30	31
100	45	170	2.00	500	46	43	42	26	31	32
150	70	250	2.00	500	49	48	44	27	32	33
200	95	340	2.00	500	52	52	46	28	33	34
250	120	420	2.00	500	54	54	48	30	34	35
300	140	510	2.00	500	56	56	50	33	35	36
350	160	590	2.00	500	58	57	53	37	37	37
400	190	680	2.00	500	60	59	55	40	38	38
450	210	760	2.00	500	61	61	58	43	40	39
500	230	850	2.00	500	63	62	60	47	42	40

50	25	85	1.00	250	39	34	31	18	22	< 20
100	45	170	1.00	250	44	41	36	19	23	< 20
150	70	250	1.00	250	47	44	38	20	24	21
200	95	340	1.00	250	50	46	41	23	25	23
250	120	420	1.00	250	52	50	43	26	26	25
300	140	510	1.00	250	54	51	46	30	28	27
350	160	590	1.00	250	56	54	50	35	32	31
400	190	680	1.00	250	58	55	52	38	34	33
450	210	760	1.00	250	59	57	53	41	36	34
500	230	850	1.00	250	60	59	56	45	39	36

50	25	85	2.50	625	43	39	34	24	32	33
100	45	170	2.50	625	47	44	43	28	33	34
150	70	250	2.50	625	50	49	46	29	34	35
200	95	340	2.50	625	53	53	48	30	35	36
250	120	420	2.50	625	55	55	51	32	36	37
300	140	510	2.50	625	57	57	52	35	37	38
350	160	590	2.50	625	59	59	54	38	38	39
400	190	680	2.50	625	61	60	56	41	40	40
450	210	760	2.50	625	62	62	59	44	42	41
500	230	850	2.50	625	64	64	61	48	44	42

50	25	85	1.50	375	40	35	32	22	27	26
100	45	170	1.50	375	45	42	40	23	28	27
150	70	250	1.50	375	48	47	41	24	29	28
200	95	340	1.50	375	51	50	44	25	30	29
250	120	420	1.50	375	53	52	46	28	31	30
300	140	510	1.50	375	55	53	48	32	32	31
350	160	590	1.50	375	57	56	52	36	34	34
400	190	680	1.50	375	59	57	53	39	36	35
450	210	760	1.50	375	60	59	56	42	38	36
500	230	850	1.50	375	62	61	58	46	41	38

50	25	85	3.00	750	44	40	35	25	34	35
100	45	170	3.00	750	48	45	44	29	35	36
150	70	250	3.00	750	51	50	48	31	36	37
200	95	340	3.00	750	54	54	50	32	37	38
250	120	420	3.00	750	56	56	52	34	38	39
300	140	510	3.00	750	58	58	54	36	39	40
350	160	590	3.00	750	60	60	56	39	40	41
400	190	680	3.00	750	62	61	58	42	42	42
450	210	760	3.00	750	63	63	60	45	43	43
500	230	850	3.00	750	65	65	62	49	45	44

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. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return Sound Power Level Performance Data

Size 10

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
100	45	170	0.30	75	37	34	29	23	<20	<20
150	70	250	0.30	75	41	35	30	26	21	<20
200	95	340	0.30	75	43	36	31	30	26	<20
250	120	420	0.30	75	44	37	32	32	29	20
300	140	510	0.30	75	46	39	34	34	30	22
350	160	590	0.30	75	49	41	35	37	34	25
400	190	680	0.30	75	50	42	37	39	37	29
450	210	760	0.30	75	51	43	38	42	40	33
500	230	850	0.30	75	52	44	40	43	43	38

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
100	45	170	2.00	500	42	44	42	45	47	45
150	70	255	2.00	500	46	47	45	46	48	46
200	95	340	2.00	500	49	50	47	47	48	46
250	118	425	2.00	500	52	53	49	49	49	47
300	140	510	2.00	500	54	55	50	50	49	47
350	165	595	2.00	500	56	57	52	52	50	48
400	190	680	2.00	500	58	59	53	54	51	48
450	210	765	2.00	500	60	60	54	56	53	50
500	230	850	2.00	500	62	61	55	57	55	51

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
100	45	170	0.60	150	38	36	36	36	31	21
150	70	255	0.60	150	42	39	37	37	32	23
200	95	340	0.60	150	46	42	38	37	32	25
250	118	425	0.60	150	49	44	39	39	35	28
300	140	510	0.60	150	51	45	40	40	37	31
350	165	595	0.60	150	53	46	41	42	39	34
400	190	680	0.60	150	55	47	42	44	41	36
450	210	765	0.60	150	57	48	43	45	43	38
500	230	850	0.60	150	58	49	44	46	44	39

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
100	45	170	2.50	625	44	45	43	46	49	48
150	70	255	2.50	625	47	48	46	48	50	49
200	95	340	2.50	625	50	51	49	49	50	49
250	118	425	2.50	625	53	54	51	51	51	50
300	140	510	2.50	625	55	56	52	52	51	50
350	165	595	2.50	625	57	58	54	54	53	51
400	190	680	2.50	625	59	60	55	56	54	52
450	210	765	2.50	625	61	62	56	58	55	53
500	230	850	2.50	625	63	63	57	59	56	53

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
100	45	170	1.00	250	40	41	40	42	37	28
150	70	255	1.00	250	44	44	41	43	38	30
200	95	340	1.00	250	47	47	42	43	38	32
250	118	425	1.00	250	50	48	43	44	40	35
300	140	510	1.00	250	52	49	44	45	42	37
350	165	595	1.00	250	54	51	46	47	44	39
400	190	680	1.00	250	56	52	47	48	46	41
450	210	765	1.00	250	58	53	48	50	48	43
500	230	850	1.00	250	60	54	49	51	49	45

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
100	45	170	3.00	750	45	47	44	47	51	50
150	70	255	3.00	750	48	50	48	49	52	51
200	95	340	3.00	750	51	52	51	50	52	51
250	118	425	3.00	750	54	55	53	52	53	52
300	140	510	3.00	750	56	57	54	53	53	52
350	165	595	3.00	750	58	59	55	55	54	53
400	190	680	3.00	750	60	61	56	57	55	53
450	210	765	3.00	750	62	63	57	59	57	54
500	230	850	3.00	750	64	64	58	60	58	54

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
100	45	170	1.50	375	41	43	41	44	44	37
150	70	255	1.50	375	45	46	43	45	45	38
200	95	340	1.50	375	48	49	45	45	45	38
250	118	425	1.50	375	51	52	47	47	46	40
300	140	510	1.50	375	53	54	48	48	46	42
350	165	595	1.50	375	55	56	49	50	48	44
400	190	680	1.50	375	57	57	50	52	49	45
450	210	765	1.50	375	59	58	51	53	51	47
500	230	850	1.50	375	61	58	52	54	52	48

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
100	45	170	3.00	750	45	47	44	47	51	50
150	70	255	3.00	750	48	50	48	49	52	51
200	95	340	3.00	750	51	52	51	50	52	51
250	118	425	3.00	750	54	55	53	52	53	52
300	140	510	3.00	750	56	57	54	53	53	52
350	165	595	3.00	750	58	59	55	55	54	53
400	190	680	3.00	750	60	61	56	57	55	53
450	210	765	3.00	750	62	63	57	59	57	54
500	230	850	3.00	750	64	64	58	60	58	54

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. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return Sound Power Level Performance Data

Size 10 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
100	45	170	0.30	75	37	32	23	<20	<20	<20
150	70	250	0.30	75	39	33	24	<20	<20	<20
200	95	340	0.30	75	41	34	25	<20	<20	<20
250	120	420	0.30	75	42	35	28	<20	<20	<20
300	140	510	0.30	75	43	36	30	<20	24	<20
350	160	590	0.30	75	44	37	31	<20	25	<20
400	190	680	0.30	75	45	40	34	25	33	26
450	210	760	0.30	75	46	41	35	26	34	28
500	230	850	0.30	75	48	45	40	29	37	34

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
100	45	170	2.00	500	42	40	37	24	32	27
150	70	255	2.00	500	45	43	40	26	34	31
200	95	340	2.00	500	48	47	43	28	36	35
250	118	425	2.00	500	50	49	44	29	37	36
300	140	510	2.00	500	52	52	46	31	38	38
350	165	595	2.00	500	54	54	48	33	40	39
400	190	680	2.00	500	55	56	49	35	42	41
450	210	765	2.00	500	57	58	50	36	43	43
500	230	850	2.00	500	59	59	51	38	45	44

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
100	45	170	0.60	150	38	36	33	<20	<20	<20
150	70	255	0.60	150	42	38	34	<20	<20	<20
200	95	340	0.60	150	46	41	36	20	25	22
250	118	425	0.60	150	47	42	36	21	27	24
300	140	510	0.60	150	48	43	37	22	28	25
350	165	595	0.60	150	50	44	38	25	31	28
400	190	680	0.60	150	51	46	39	27	34	32
450	210	765	0.60	150	52	48	41	29	35	35
500	230	850	0.60	150	53	49	42	31	37	38

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
100	45	170	2.50	625	44	41	38	24	33	33
150	70	255	2.50	625	46	44	41	27	36	36
200	95	340	2.50	625	49	48	44	29	38	38
250	118	425	2.50	625	51	50	46	31	39	39
300	140	510	2.50	625	53	53	48	33	40	40
350	165	595	2.50	625	55	55	50	35	42	42
400	190	680	2.50	625	57	57	51	36	44	43
450	210	765	2.50	625	59	59	52	38	45	45
500	230	850	2.50	625	61	61	53	39	47	46

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
100	45	170	1.00	250	40	38	36	23	23	<20
150	70	255	1.00	250	44	41	37	23	26	<20
200	95	340	1.00	250	47	44	38	24	29	26
250	118	425	1.00	250	49	46	39	25	31	29
300	140	510	1.00	250	52	48	41	26	33	31
350	165	595	1.00	250	53	49	42	28	35	33
400	190	680	1.00	250	54	49	43	30	37	35
450	210	765	1.00	250	55	51	45	31	38	37
500	230	850	1.00	250	56	52	46	33	39	39

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
100	45	170	3.00	750	45	43	39	25	35	37
150	70	255	3.00	750	47	46	42	28	37	39
200	95	340	3.00	750	49	49	45	30	39	40
250	118	425	3.00	750	52	52	47	32	40	41
300	140	510	3.00	750	54	55	50	35	41	42
350	165	595	3.00	750	56	57	51	36	43	44
400	190	680	3.00	750	58	59	53	38	45	45
450	210	765	3.00	750	59	60	53	39	46	46
500	230	850	3.00	750	61	62	54	41	48	47

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
100	45	170	1.50	375	41	39	37	24	27	19
150	70	255	1.50	375	45	43	38	24	30	25
200	95	340	1.50	375	48	46	40	25	33	30
250	118	425	1.50	375	50	49	42	27	35	33
300	140	510	1.50	375	51	51	44	29	36	35
350	165	595	1.50	375	53	53	45	30	38	37
400	190	680	1.50	375	54	55	46	32	40	38
450	210	765	1.50	375	56	55	47	34	41	40
500	230	850	1.50	375	59	56	49	35	43	41

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
100	45	170	3.00	750	45	43	39	25	35	37
150	70	255	3.00	750	47	46	42	28	37	39
200	95	340	3.00	750	49	49	45	30	39	40
250	118	425	3.00	750	52	52	47	32	40	41
300	140	510	3.00	750	54	55	50	35	41	42
350	165	595	3.00	750	56	57	51	36	43	44
400	190	680	3.00	750	58	59	53	38	45	45
450	210	765	3.00	750	59	60	53	39	46	46
500	230	850	3.00	750	61	62	54	41	48	47

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. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return 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	40	34	27	24	20	<20
300	140	510	0.30	75	44	36	30	30	28	20
400	190	680	0.30	75	48	39	32	33	31	22
500	230	850	0.30	75	50	43	35	36	36	27
600	280	1000	0.30	75	51	44	39	41	42	36
700	330	1200	0.30	75	52	46	42	44	46	42
800	380	1350	0.30	75	53	47	43	47	47	47
900	420	1550	0.30	75	54	48	44	48	48	49
1000	470	1700	0.30	75	55	49	45	49	49	50

Airflow			DPS		Sound Power Levels in dB ref 10 ⁻¹² Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	2.00	500	46	50	48	49	53	50
300	143	510	2.00	500	50	53	49	50	54	51
400	190	680	2.00	500	53	55	50	50	54	51
500	235	840	2.00	500	56	59	52	53	55	52
600	280	1000	2.00	500	59	62	54	55	55	52
700	330	1175	2.00	500	62	63	55	57	56	53
800	380	1350	2.00	500	64	64	56	58	57	54
900	425	1525	2.00	500	66	65	57	59	58	55
1000	470	1700	2.00	500	67	65	58	60	59	55

200	95	340	0.60	150	42	43	37	37	29	21
300	143	510	0.60	150	46	44	38	38	33	26
400	190	680	0.60	150	50	45	38	39	37	31
500	235	840	0.60	150	53	47	40	41	40	36
600	280	1000	0.60	150	56	49	42	43	43	40
700	330	1175	0.60	150	58	51	44	46	46	44
800	380	1350	0.60	150	60	52	46	48	49	48
900	425	1525	0.60	150	62	54	48	50	50	50
1000	470	1700	0.60	150	63	55	50	52	50	51

200	95	340	2.50	625	47	52	49	50	54	51
300	143	510	2.50	625	51	54	51	51	55	52
400	190	680	2.50	625	54	56	52	51	55	52
500	235	840	2.50	625	57	60	54	54	56	53
600	280	1000	2.50	625	60	63	56	56	56	53
700	330	1175	2.50	625	63	65	57	58	57	54
800	380	1350	2.50	625	65	66	58	59	58	55
900	425	1525	2.50	625	67	67	59	61	60	56
1000	470	1700	2.50	625	68	68	60	62	61	57

200	95	340	1.00	250	44	48	43	43	42	32
300	143	510	1.00	250	48	50	44	44	43	35
400	190	680	1.00	250	51	51	44	44	43	38
500	235	840	1.00	250	54	53	46	47	46	42
600	280	1000	1.00	250	57	54	47	49	48	45
700	330	1175	1.00	250	60	56	49	51	50	48
800	380	1350	1.00	250	62	57	50	52	51	50
900	425	1525	1.00	250	64	59	52	54	52	51
1000	470	1700	1.00	250	65	60	54	56	52	52

200	95	340	3.00	750	48	53	50	52	55	55
300	143	510	3.00	750	52	55	53	53	56	55
400	190	680	3.00	750	55	57	55	53	56	55
500	235	840	3.00	750	58	61	56	55	57	56
600	280	1000	3.00	750	61	64	57	57	57	57
700	330	1175	3.00	750	64	66	58	59	58	58
800	380	1350	3.00	750	66	68	59	60	59	58
900	425	1525	3.00	750	68	69	60	62	61	59
1000	470	1700	3.00	750	69	69	61	63	62	59

200	95	340	1.50	375	45	49	46	47	46	41
300	143	510	1.50	375	49	52	47	48	47	43
400	190	680	1.50	375	52	54	47	48	48	44
500	235	840	1.50	375	55	56	49	51	50	47
600	280	1000	1.50	375	58	58	51	53	52	49
700	330	1175	1.50	375	61	60	53	55	54	51
800	380	1350	1.50	375	63	61	54	56	55	52
900	425	1525	1.50	375	65	62	56	57	56	53
1000	470	1700	1.50	375	66	63	57	58	56	53

200	95	340	2.00	500	46	50	48	49	53	50
300	143	510	2.00	500	50	53	49	50	54	51
400	190	680	2.00	500	53	55	50	50	54	51
500	235	840	2.00	500	56	59	52	53	55	52
600	280	1000	2.00	500	59	62	54	55	55	52
700	330	1175	2.00	500	62	63	55	57	56	53
800	380	1350	2.00	500	64	64	56	58	57	54
900	425	1525	2.00	500	66	65	57	59	58	55
1000	470	1700	2.00	500	67	65	58	60	59	55

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. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return Sound Power Level Performance Data

Size 12 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	95	340	0.30	75	40	34	27	<20	<20	<20
300	140	510	0.30	75	42	36	30	21	21	<20
400	190	680	0.30	75	44	38	32	24	24	<20
500	230	850	0.30	75	46	40	35	30	33	26
600	280	1000	0.30	75	47	42	39	34	38	33
700	330	1200	0.30	75	48	44	42	38	39	40
800	380	1350	0.30	75	50	46	43	40	40	42
900	420	1550	0.30	75	52	47	44	41	41	43
1000	470	1700	0.30	75	53	48	45	42	42	44

200	95	340	0.60	150	42	41	35	25	22	<20
300	143	510	0.60	150	46	42	37	28	26	<20
400	190	680	0.60	150	50	44	38	30	30	27
500	235	840	0.60	150	52	46	40	33	34	32
600	280	1000	0.60	150	54	48	42	36	39	37
700	330	1175	0.60	150	56	50	44	39	40	40
800	380	1350	0.60	150	57	52	46	43	41	43
900	425	1525	0.60	150	58	52	47	44	42	44
1000	470	1700	0.60	150	59	53	48	45	43	44

200	95	340	1.00	250	44	45	41	33	33	26
300	143	510	1.00	250	48	47	42	34	34	29
400	190	680	1.00	250	51	49	43	34	35	32
500	235	840	1.00	250	54	50	44	37	37	36
600	280	1000	1.00	250	57	52	46	39	40	39
700	330	1175	1.00	250	59	53	48	42	41	41
800	380	1350	1.00	250	61	55	49	45	42	44
900	425	1525	1.00	250	62	56	50	46	43	45
1000	470	1700	1.00	250	62	56	51	46	44	45

200	95	340	1.50	375	45	46	43	37	40	33
300	143	510	1.50	375	49	50	45	38	40	35
400	190	680	1.50	375	52	54	47	38	41	37
500	235	840	1.50	375	55	55	48	40	42	40
600	280	1000	1.50	375	58	56	50	42	43	42
700	330	1175	1.50	375	60	57	51	44	45	44
800	380	1350	1.50	375	62	58	52	46	46	45
900	425	1525	1.50	375	63	58	52	46	46	46
1000	470	1700	1.50	375	64	59	53	47	47	46

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	95	340	2.00	500	46	47	46	40	42	40
300	143	510	2.00	500	50	51	48	40	43	40
400	190	680	2.00	500	53	55	49	41	43	41
500	235	840	2.00	500	56	57	51	43	44	43
600	280	1000	2.00	500	59	59	52	44	45	45
700	330	1175	2.00	500	61	60	53	46	47	46
800	380	1350	2.00	500	63	61	54	48	48	47
900	425	1525	2.00	500	64	61	55	48	49	48
1000	470	1700	2.00	500	65	62	55	49	49	48

200	95	340	2.00	500	46	47	46	40	42	40
300	143	510	2.00	500	50	51	48	40	43	40
400	190	680	2.00	500	53	55	49	41	43	41
500	235	840	2.00	500	56	57	51	43	44	43
600	280	1000	2.00	500	59	59	52	44	45	45
700	330	1175	2.00	500	61	60	53	46	47	46
800	380	1350	2.00	500	63	61	54	48	48	47
900	425	1525	2.00	500	64	61	55	48	49	48
1000	470	1700	2.00	500	65	62	55	49	49	48

200	95	340	2.50	625	47	48	48	41	44	45
300	143	510	2.50	625	51	52	50	42	45	45
400	190	680	2.50	625	54	56	52	42	45	46
500	235	840	2.50	625	57	59	53	44	46	47
600	280	1000	2.50	625	60	62	54	46	47	47
700	330	1175	2.50	625	62	62	55	48	49	48
800	380	1350	2.50	625	64	63	56	49	50	49
900	425	1525	2.50	625	65	64	56	50	51	49
1000	470	1700	2.50	625	66	64	57	50	51	50

200	95	340	3.00	750	48	49	49	43	46	47
300	143	510	3.00	750	52	53	51	44	47	48
400	190	680	3.00	750	55	57	53	44	47	48
500	235	840	3.00	750	58	60	55	46	48	49
600	280	1000	3.00	750	61	63	56	48	49	49
700	330	1175	3.00	750	63	64	57	49	50	50
800	380	1350	3.00	750	65	65	57	50	51	50
900	425	1525	3.00	750	66	65	58	51	52	51
1000	470	1700	3.00	750	67	66	59	52	53	52

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. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return Sound Power Level Performance Data

Dual 10

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					
200	95	340	0.30	75	36	34	30	25	<20	<20
300	140	510	0.30	75	37	35	31	29	23	<20
400	190	680	0.30	75	38	36	32	33	29	21
500	230	850	0.30	75	39	37	33	35	32	23
600	280	1000	0.30	75	41	39	35	37	33	25
700	330	1200	0.30	75	43	40	36	39	34	26
800	380	1350	0.30	75	45	41	38	42	40	32
900	420	1550	0.30	75	46	42	39	44	43	36
1000	470	1700	0.30	75	47	43	41	45	45	41

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					

200	95	340	0.60	150	40	39	39	37	27	<20
300	143	510	0.60	150	44	41	40	38	31	24
400	190	680	0.60	150	47	43	41	40	35	28
500	235	840	0.60	150	49	44	41	42	38	31
600	280	1000	0.60	150	50	46	42	43	40	34
700	330	1175	0.60	150	52	47	43	45	42	36
800	380	1350	0.60	150	53	48	45	47	44	39
900	425	1525	0.60	150	54	50	46	48	46	40
1000	470	1700	0.60	150	56	51	47	49	47	42

200	95	340	2.00	500	44	44	44	47	51	46
300	143	510	2.00	500	47	47	47	49	52	46
400	190	680	2.00	500	50	50	49	50	52	47
500	235	840	2.00	500	52	53	51	52	53	47
600	280	1000	2.00	500	54	55	53	53	53	48
700	330	1175	2.00	500	57	57	54	55	54	50
800	380	1350	2.00	500	59	59	56	57	54	51
900	425	1525	2.00	500	61	61	57	59	56	52
1000	470	1700	2.00	500	62	62	58	60	58	54

200	95	340	1.00	250	42	41	42	43	38	29
300	143	510	1.00	250	45	44	43	45	39	32
400	190	680	1.00	250	48	48	45	46	41	35
500	235	840	1.00	250	50	49	46	47	43	38
600	280	1000	1.00	250	52	50	47	48	45	40
700	330	1175	1.00	250	54	51	48	50	47	42
800	380	1350	1.00	250	56	53	49	51	49	44
900	425	1525	1.00	250	58	54	50	53	50	46
1000	470	1700	1.00	250	59	55	52	54	51	47

200	95	340	2.50	625	45	45	45	48	52	50
300	143	510	2.50	625	48	48	48	50	53	51
400	190	680	2.50	625	51	51	51	52	53	51
500	235	840	2.50	625	53	54	53	53	54	52
600	280	1000	2.50	625	55	56	55	55	54	52
700	330	1175	2.50	625	57	58	56	57	55	53
800	380	1350	2.50	625	60	60	57	59	57	53
900	425	1525	2.50	625	61	62	59	61	58	54
1000	470	1700	2.50	625	63	64	60	62	59	56

200	95	340	1.50	375	43	42	43	45	46	38
300	143	510	1.50	375	46	46	45	47	47	40
400	190	680	1.50	375	49	49	47	48	47	41
500	235	840	1.50	375	51	52	49	50	48	43
600	280	1000	1.50	375	53	54	50	51	49	45
700	330	1175	1.50	375	56	56	52	53	51	46
800	380	1350	1.50	375	58	58	53	55	52	48
900	425	1525	1.50	375	60	59	54	56	54	50
1000	470	1700	1.50	375	61	60	55	57	55	51

200	95	340	3.00	750	46	46	46	49	53	53
300	143	510	3.00	750	49	49	49	51	54	54
400	190	680	3.00	750	52	52	52	53	54	54
500	235	840	3.00	750	54	54	54	54	55	55
600	280	1000	3.00	750	56	57	56	56	55	55
700	330	1175	3.00	750	59	59	58	58	57	56
800	380	1350	3.00	750	61	62	59	60	58	56
900	425	1525	3.00	750	62	63	60	62	60	57
1000	470	1700	3.00	750	64	65	61	63	61	57

Notes

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

Phoenix Controls Accel II Airflow Control Valves

Low Pressure Exhaust/Return Sound Power Level Performance Data Dual 10 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					
200	95	340	0.30	75	36	34	29	<20	<20	<20
300	140	510	0.30	75	37	35	30	20	<20	<20
400	190	680	0.30	75	38	36	32	21	25	<20
500	230	850	0.30	75	39	37	33	23	26	20
600	280	1000	0.30	75	41	39	35	27	29	22
700	330	1200	0.30	75	43	40	36	29	30	23
800	380	1350	0.30	75	45	41	38	34	37	32
900	420	1550	0.30	75	46	42	39	37	40	36
1000	470	1700	0.30	75	47	43	41	39	41	41

200	95	340	0.60	150	40	39	38	30	25	<20
300	143	510	0.60	150	43	41	39	31	28	24
400	190	680	0.60	150	46	43	39	31	32	27
500	235	840	0.60	150	48	44	40	32	34	29
600	280	1000	0.60	150	49	46	41	32	36	32
700	330	1175	0.60	150	50	47	43	34	38	34
800	380	1350	0.60	150	50	48	44	36	40	36
900	425	1525	0.60	150	52	49	45	38	41	39
1000	470	1700	0.60	150	53	50	46	40	42	42

200	95	340	1.00	250	42	41	41	35	34	26
300	143	510	1.00	250	45	44	42	36	36	29
400	190	680	1.00	250	47	48	43	36	37	32
500	235	840	1.00	250	49	49	44	37	39	35
600	280	1000	1.00	250	51	50	45	37	41	37
700	330	1175	1.00	250	53	52	47	39	43	39
800	380	1350	1.00	250	55	53	49	40	44	41
900	425	1525	1.00	250	56	54	50	42	45	43
1000	470	1700	1.00	250	57	55	51	43	46	44

200	95	340	1.50	375	43	42	42	37	42	35
300	143	510	1.50	375	46	46	44	38	43	36
400	190	680	1.50	375	48	49	46	39	43	38
500	235	840	1.50	375	50	52	47	39	44	39
600	280	1000	1.50	375	52	54	49	40	44	41
700	330	1175	1.50	375	54	56	50	42	46	43
800	380	1350	1.50	375	56	57	52	43	48	45
900	425	1525	1.50	375	58	58	53	45	49	46
1000	470	1700	1.50	375	59	59	54	46	50	48

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					

200	95	340	2.00	500	44	43	43	38	46	43
300	143	510	2.00	500	47	47	46	39	47	43
400	190	680	2.00	500	49	50	48	40	47	44
500	235	840	2.00	500	51	53	50	42	48	45
600	280	1000	2.00	500	53	55	52	43	48	45
700	330	1175	2.00	500	55	57	53	44	49	46
800	380	1350	2.00	500	57	59	55	46	50	48
900	425	1525	2.00	500	59	61	56	47	51	49
1000	470	1700	2.00	500	60	62	57	48	53	50

200	95	340	2.50	625	45	45	44	39	47	47
300	143	510	2.50	625	47	48	47	40	48	48
400	190	680	2.50	625	50	51	50	42	48	48
500	235	840	2.50	625	52	54	51	43	49	49
600	280	1000	2.50	625	54	56	53	44	49	49
700	330	1175	2.50	625	56	58	55	46	50	49
800	380	1350	2.50	625	58	60	56	47	52	50
900	425	1525	2.50	625	59	62	57	49	53	51
1000	470	1700	2.50	625	61	64	59	50	55	53

200	95	340	3.00	750	46	46	45	40	49	50
300	143	510	3.00	750	48	49	48	42	50	51
400	190	680	3.00	750	51	52	51	43	50	51
500	235	840	3.00	750	53	55	53	44	50	52
600	280	1000	3.00	750	55	57	55	46	51	52
700	330	1175	3.00	750	57	59	56	48	52	53
800	380	1350	3.00	750	59	61	58	49	53	53
900	425	1525	3.00	750	61	63	59	51	55	54
1000	470	1700	3.00	750	62	65	61	52	56	54

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. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return Sound Power Level Performance Data

Dual 12

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					
400	190	680	0.30	75	39	37	30	27	22	<20
600	280	1000	0.30	75	40	38	33	33	28	21
800	380	1350	0.30	75	45	39	35	36	32	24
1000	470	1700	0.30	75	47	40	36	37	35	25
1200	560	2050	0.30	75	48	43	38	40	40	30
1400	660	2400	0.30	75	49	44	43	45	44	39
1600	750	2700	0.30	75	52	48	46	50	47	45
1800	850	3050	0.30	75	53	50	47	51	51	51
2000	940	3400	0.30	75	56	51	48	52	52	52

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					
400	190	680	2.00	500	49	48	50	52	54	49
600	285	1015	2.00	500	53	52	52	53	55	49
800	380	1350	2.00	500	56	56	53	53	55	50
1000	470	1700	2.00	500	59	58	54	56	55	51
1200	560	2050	2.00	500	62	60	56	58	56	52
1400	655	2375	2.00	500	64	62	57	60	57	54
1600	750	2700	2.00	500	66	63	59	61	59	55
1800	845	3050	2.00	500	68	64	60	62	60	56
2000	940	3400	2.00	500	70	65	61	63	61	57

400	190	680	0.60	150	45	43	40	40	32	24
600	285	1015	0.60	150	48	44	41	41	36	29
800	380	1350	0.60	150	51	45	41	42	39	34
1000	470	1700	0.60	150	54	47	43	44	41	35
1200	560	2050	0.60	150	56	49	45	46	43	37
1400	655	2375	0.60	150	57	50	46	48	45	42
1600	750	2700	0.60	150	59	51	48	51	48	46
1800	845	3050	0.60	150	60	52	50	53	50	50
2000	940	3400	0.60	150	61	54	52	55	53	53

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

400	190	680	1.00	250	46	46	45	46	41	32
600	285	1015	1.00	250	50	48	46	46	43	36
800	380	1350	1.00	250	54	50	47	47	45	40
1000	470	1700	1.00	250	57	52	48	50	47	42
1200	560	2050	1.00	250	60	53	50	52	49	44
1400	655	2375	1.00	250	62	55	52	54	50	46
1600	750	2700	1.00	250	64	56	53	55	51	48
1800	845	3050	1.00	250	65	58	54	57	53	51
2000	940	3400	1.00	250	66	59	56	58	54	54

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

400	190	680	1.50	375	48	47	48	50	50	41
600	285	1015	1.50	375	51	51	49	50	51	43
800	380	1350	1.50	375	55	54	50	51	51	45
1000	470	1700	1.50	375	58	56	52	54	52	47
1200	560	2050	1.50	375	61	58	54	56	53	49
1400	655	2375	1.50	375	63	59	55	58	55	51
1600	750	2700	1.50	375	65	60	57	59	56	52
1800	845	3050	1.50	375	67	61	58	60	57	53
2000	940	3400	1.50	375	69	62	59	61	58	55

400	190	680	2.00	500	49	48	50	52	54	49
600	285	1015	2.00	500	53	52	52	53	55	49
800	380	1350	2.00	500	56	56	53	53	55	50
1000	470	1700	2.00	500	59	58	54	56	55	51
1200	560	2050	2.00	500	62	60	56	58	56	52
1400	655	2375	2.00	500	64	62	57	60	57	54
1600	750	2700	2.00	500	66	63	59	61	59	55
1800	845	3050	2.00	500	68	64	60	62	60	56
2000	940	3400	2.00	500	70	65	61	63	61	57

Notes

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

Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return Sound Power Level Performance Data

Dual 12 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	190	680	0.30	75	39	33	30	22	<20	<20
600	280	1000	0.30	75	40	36	31	27	25	<20
800	380	1350	0.30	75	41	38	33	30	28	21
1000	470	1700	0.30	75	45	40	35	32	31	22
1200	560	2050	0.30	75	48	41	37	34	38	28
1400	660	2400	0.30	75	49	44	43	41	41	34
1600	750	2700	0.30	75	51	46	46	44	44	40
1800	850	3050	0.30	75	53	49	47	47	46	43
2000	940	3400	0.30	75	55	51	48	49	47	45

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	190	680	2.00	500	49	47	48	46	51	47
600	285	1015	2.00	500	52	51	50	47	52	47
800	380	1350	2.00	500	54	55	51	47	52	48
1000	470	1700	2.00	500	58	58	53	49	53	49
1200	560	2050	2.00	500	61	60	55	51	53	49
1400	655	2375	2.00	500	63	61	56	53	54	51
1600	750	2700	2.00	500	64	62	58	55	55	53
1800	845	3050	2.00	500	66	63	59	56	57	54
2000	940	3400	2.00	500	68	64	61	57	58	55

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	190	680	0.60	150	45	41	39	35	29	23
600	285	1015	0.60	150	48	43	40	36	33	27
800	380	1350	0.60	150	51	45	40	37	36	31
1000	470	1700	0.60	150	53	46	41	38	38	32
1200	560	2050	0.60	150	55	48	43	40	40	34
1400	655	2375	0.60	150	56	49	45	43	43	37
1600	750	2700	0.60	150	58	51	47	45	45	41
1800	845	3050	0.60	150	59	52	49	48	47	44
2000	940	3400	0.60	150	60	54	51	50	48	46

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	190	680	2.50	625	50	48	49	48	53	51
600	285	1015	2.50	625	53	52	51	48	54	52
800	380	1350	2.50	625	55	56	53	49	54	52
1000	470	1700	2.50	625	58	59	55	51	54	53
1200	560	2050	2.50	625	62	62	57	53	55	53
1400	655	2375	2.50	625	63	63	58	55	56	54
1600	750	2700	2.50	625	65	64	60	57	57	55
1800	845	3050	2.50	625	67	65	61	58	59	56
2000	940	3400	2.50	625	69	66	62	59	60	57

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	190	680	1.00	250	46	45	44	40	38	29
600	285	1015	1.00	250	49	47	44	40	40	33
800	380	1350	1.00	250	52	49	45	41	42	37
1000	470	1700	1.00	250	56	51	47	43	44	38
1200	560	2050	1.00	250	59	53	49	45	46	39
1400	655	2375	1.00	250	61	54	50	47	47	43
1600	750	2700	1.00	250	62	56	51	48	48	46
1800	845	3050	1.00	250	64	57	53	50	49	49
2000	940	3400	1.00	250	65	58	54	52	51	51

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

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	190	680	1.50	375	48	46	46	44	47	38
600	285	1015	1.50	375	50	50	47	44	48	40
800	380	1350	1.50	375	53	54	49	45	48	42
1000	470	1700	1.50	375	57	56	50	47	49	44
1200	560	2050	1.50	375	60	57	52	49	50	46
1400	655	2375	1.50	375	62	58	54	50	51	48
1600	750	2700	1.50	375	63	60	55	52	53	49
1800	845	3050	1.50	375	65	61	56	53	53	51
2000	940	3400	1.50	375	67	62	58	55	54	52

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	190	680	2.00	500	49	47	48	46	51	47
600	285	1015	2.00	500	52	51	50	47	52	47
800	380	1350	2.00	500	54	55	51	47	52	48
1000	470	1700	2.00	500	58	58	53	49	53	49
1200	560	2050	2.00	500	61	60	55	51	53	49
1400	655	2375	2.00	500	63	61	56	53	54	51
1600	750	2700	2.00	500	64	62	58	55	55	53
1800	845	3050	2.00	500	66	63	59	56	57	54
2000	940	3400	2.00	500	68	64	61	57	58	55

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. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return Sound Power Level Performance Data

Triple 12

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					
600	280	1000	0.30	75	43	39	32	29	24	<20
900	420	1550	0.30	75	46	40	35	35	31	23
1200	560	2050	0.30	75	50	42	37	38	34	26
1500	710	2550	0.30	75	52	45	38	40	39	29
1800	850	3050	0.30	75	53	46	42	44	44	37
2100	990	3550	0.30	75	54	48	45	47	48	44
2400	1150	4050	0.30	75	56	50	48	52	50	49
2700	1250	4600	0.30	75	57	52	49	53	53	53
3000	1400	5100	0.30	75	58	53	50	54	54	54

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					
600	280	1000	2.00	500	51	52	52	54	57	52
900	420	1525	2.00	500	54	55	53	54	57	53
1200	560	2050	2.00	500	58	59	55	55	58	53
1500	705	2550	2.00	500	61	61	56	57	58	54
1800	850	3050	2.00	500	64	64	58	60	59	55
2100	1000	3550	2.00	500	66	65	59	61	60	56
2400	1150	4050	2.00	500	68	66	61	63	61	58
2700	1275	4575	2.00	500	70	67	62	64	62	58
3000	1400	5100	2.00	500	72	68	63	65	63	59

600	280	1000	0.60	150	47	46	42	42	34	26
900	420	1525	0.60	150	50	47	42	43	38	31
1200	560	2050	0.60	150	53	48	43	44	41	36
1500	705	2550	0.60	150	56	50	45	46	44	39
1800	850	3050	0.60	150	59	52	46	48	46	42
2100	1000	3550	0.60	150	61	53	48	50	49	46
2400	1150	4050	0.60	150	62	55	50	52	51	50
2700	1275	4575	0.60	150	64	56	52	55	53	53
3000	1400	5100	0.60	150	65	57	54	57	55	55

600	280	1000	2.50	625	52	54	53	55	58	55
900	420	1525	2.50	625	55	57	55	55	59	56
1200	560	2050	2.50	625	59	60	56	56	59	56
1500	705	2550	2.50	625	62	63	58	58	60	57
1800	850	3050	2.50	625	65	66	60	61	60	57
2100	1000	3550	2.50	625	67	67	61	62	61	58
2400	1150	4050	2.50	625	69	69	63	64	63	60
2700	1275	4575	2.50	625	71	70	64	65	64	61
3000	1400	5100	2.50	625	73	71	65	67	66	62

600	280	1000	1.00	250	48	50	47	48	45	35
900	420	1525	1.00	250	52	52	48	48	46	39
1200	560	2050	1.00	250	56	54	49	49	47	42
1500	705	2550	1.00	250	59	55	50	51	49	45
1800	850	3050	1.00	250	62	57	52	54	51	48
2100	1000	3550	1.00	250	64	58	53	55	53	50
2400	1150	4050	1.00	250	66	60	55	57	54	52
2700	1275	4575	1.00	250	67	61	56	58	55	54
3000	1400	5100	1.00	250	69	62	58	60	56	56

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

600	280	1000	1.50	375	50	51	50	51	51	44
900	420	1525	1.50	375	53	54	51	52	52	46
1200	560	2050	1.50	375	57	57	52	53	53	47
1500	705	2550	1.50	375	60	59	54	55	54	50
1800	850	3050	1.50	375	63	61	56	58	56	52
2100	1000	3550	1.50	375	65	62	57	59	57	54
2400	1150	4050	1.50	375	67	64	59	61	58	55
2700	1275	4575	1.50	375	69	65	60	62	59	56
3000	1400	5100	1.50	375	71	66	61	63	60	57

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

Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return 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	43	36	32	22	< 20	< 20
900	420	1550	0.30	75	44	39	34	28	27	< 20
1200	560	2050	0.30	75	45	41	36	31	29	21
1500	710	2550	0.30	75	48	43	38	34	35	28
1800	850	3050	0.30	75	50	45	41	37	41	34
2100	990	3550	0.30	75	52	47	46	43	43	41
2400	1150	4050	0.30	75	53	49	48	46	45	44
2700	1250	4600	0.30	75	56	51	49	48	47	46
3000	1400	5100	0.30	75	57	53	50	50	48	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
600	280	1000	2.00	500	51	50	50	47	52	47
900	420	1525	2.00	500	54	54	52	48	52	48
1200	560	2050	2.00	500	57	58	53	48	53	49
1500	705	2550	2.00	500	60	60	55	50	53	50
1800	850	3050	2.00	500	63	63	56	52	54	51
2100	1000	3550	2.00	500	65	64	58	54	55	52
2400	1150	4050	2.00	500	67	65	59	56	56	54
2700	1275	4575	2.00	500	68	65	61	57	57	54
3000	1400	5100	2.00	500	70	66	62	58	58	55

600	280	1000	0.60	150	47	44	40	36	30	23
900	420	1525	0.60	150	50	46	41	37	33	28
1200	560	2050	0.60	150	53	47	42	38	37	32
1500	705	2550	0.60	150	55	49	44	39	40	35
1800	850	3050	0.60	150	58	51	46	41	42	39
2100	1000	3550	0.60	150	59	53	48	44	44	42
2400	1150	4050	0.60	150	60	54	50	47	47	45
2700	1275	4575	0.60	150	61	55	51	49	48	47
3000	1400	5100	0.60	150	62	56	53	51	49	48

600	280	1000	2.50	625	52	51	52	49	54	52
900	420	1525	2.50	625	55	55	53	49	54	52
1200	560	2050	2.50	625	58	59	55	50	55	53
1500	705	2550	2.50	625	61	62	57	52	55	53
1800	850	3050	2.50	625	64	65	59	54	56	54
2100	1000	3550	2.50	625	66	66	60	56	57	55
2400	1150	4050	2.50	625	68	67	61	57	58	56
2700	1275	4575	2.50	625	69	67	62	59	59	57
3000	1400	5100	2.50	625	71	68	63	60	60	58

600	280	1000	1.00	250	48	48	46	40	39	31
900	420	1525	1.00	250	51	50	46	41	41	35
1200	560	2050	1.00	250	55	52	47	42	42	38
1500	705	2550	1.00	250	58	54	49	44	44	40
1800	850	3050	1.00	250	61	55	50	46	47	42
2100	1000	3550	1.00	250	63	57	52	48	48	45
2400	1150	4050	1.00	250	65	58	54	50	49	48
2700	1275	4575	1.00	250	66	59	55	51	50	50
3000	1400	5100	1.00	250	67	60	56	53	52	52

600	280	1000	3.00	750	53	52	53	50	56	55
900	420	1525	3.00	750	56	56	55	51	56	55
1200	560	2050	3.00	750	59	60	57	51	57	56
1500	705	2550	3.00	750	62	63	59	54	56	56
1800	850	3050	3.00	750	65	66	60	56	56	57
2100	1000	3550	3.00	750	67	67	62	57	58	57
2400	1150	4050	3.00	750	68	69	63	59	60	58
2700	1275	4575	3.00	750	70	70	64	60	61	59
3000	1400	5100	3.00	750	72	71	65	62	62	60

600	280	1000	1.50	375	50	49	48	44	48	39
900	420	1525	1.50	375	53	53	49	45	48	41
1200	560	2050	1.50	375	56	57	51	46	49	43
1500	705	2550	1.50	375	59	58	52	48	50	45
1800	850	3050	1.50	375	62	60	54	50	51	48
2100	1000	3550	1.50	375	64	61	55	51	52	49
2400	1150	4050	1.50	375	66	62	57	53	53	51
2700	1275	4575	1.50	375	67	63	58	54	54	52
3000	1400	5100	1.50	375	69	63	59	55	55	53

600	280	1000	2.00	500	51	50	50	47	52	47
900	420	1525	2.00	500	54	54	52	48	52	48
1200	560	2050	2.00	500	57	58	53	48	53	49
1500	705	2550	2.00	500	60	60	55	50	53	50
1800	850	3050	2.00	500	63	63	56	52	54	51
2100	1000	3550	2.00	500	65	64	58	54	55	52
2400	1150	4050	2.00	500	67	65	59	56	56	54
2700	1275	4575	2.00	500	68	65	61	57	57	54
3000	1400	5100	2.00	500	70	66	62	58	58	55

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.
- Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

Phoenix Controls Accel II Airflow Control Valves

Low Pressure

Exhaust/Return Sound Power Level Performance Data

Quad 12 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
800	380	1350	0.30	75	42	36	33	25	<20	<20
1200	560	2050	0.30	75	43	39	34	30	28	<20
1600	750	2700	0.30	75	44	41	36	33	31	24
2000	940	3400	0.30	75	48	43	38	35	34	25
2400	1150	4100	0.30	75	51	44	40	37	41	31
2800	1300	4750	0.30	75	52	47	46	44	44	37
3200	1500	5450	0.30	75	54	49	49	47	47	43
3600	1700	6100	0.30	75	56	52	50	50	49	46
4000	1900	6800	0.30	75	58	54	51	52	50	48

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
800	380	1350	2.00	500	52	50	51	49	54	50
1200	565	2025	2.00	500	55	54	53	50	55	50
1600	750	2700	2.00	500	57	58	54	50	55	51
2000	950	3400	2.00	500	61	61	56	52	56	52
2400	1150	4100	2.00	500	64	63	58	54	56	52
2800	1325	4775	2.00	500	66	64	59	56	57	54
3200	1500	5450	2.00	500	67	65	61	58	58	56
3600	1700	6125	2.00	500	69	66	62	59	60	57
4000	1900	6800	2.00	500	71	67	64	60	61	58

cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	0.60	150	48	44	42	38	32	26
1200	565	2025	0.60	150	51	46	43	39	36	30
1600	750	2700	0.60	150	54	48	43	40	39	34
2000	950	3400	0.60	150	56	49	44	41	41	35
2400	1150	4100	0.60	150	58	51	46	43	43	37
2800	1325	4775	0.60	150	59	52	48	46	46	40
3200	1500	5450	0.60	150	61	54	50	48	48	44
3600	1700	6125	0.60	150	62	55	52	51	50	47
4000	1900	6800	0.60	150	63	57	54	53	51	49

cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	2.50	625	53	51	52	51	56	54
1200	565	2025	2.50	625	56	55	54	51	57	55
1600	750	2700	2.50	625	58	59	56	52	57	55
2000	950	3400	2.50	625	61	62	58	54	57	56
2400	1150	4100	2.50	625	65	65	60	56	58	56
2800	1325	4775	2.50	625	66	66	61	58	59	57
3200	1500	5450	2.50	625	68	67	63	60	60	58
3600	1700	6125	2.50	625	70	68	64	61	62	59
4000	1900	6800	2.50	625	72	69	65	62	63	60

cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	1.00	250	49	48	47	43	41	32
1200	565	2025	1.00	250	52	50	47	43	43	36
1600	750	2700	1.00	250	55	52	48	44	45	40
2000	950	3400	1.00	250	59	54	50	46	47	41
2400	1150	4100	1.00	250	62	56	52	48	49	42
2800	1325	4775	1.00	250	64	57	53	50	50	46
3200	1500	5450	1.00	250	65	59	54	51	51	49
3600	1700	6125	1.00	250	67	60	56	53	52	52
4000	1900	6800	1.00	250	68	61	57	55	54	54

cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	3.00	750	54	53	53	52	58	57
1200	565	2025	3.00	750	57	56	55	53	59	58
1600	750	2700	3.00	750	59	60	58	53	59	58
2000	950	3400	3.00	750	63	63	60	56	60	59
2400	1150	4100	3.00	750	66	66	62	58	60	59
2800	1325	4775	3.00	750	67	68	63	60	61	59
3200	1500	5450	3.00	750	69	70	64	61	62	60
3600	1700	6125	3.00	750	71	71	66	63	63	61
4000	1900	6800	3.00	750	73	72	67	64	65	62

cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	1.50	375	51	49	49	47	50	41
1200	565	2025	1.50	375	53	53	50	47	51	43
1600	750	2700	1.50	375	56	57	52	48	51	45
2000	950	3400	1.50	375	60	59	53	50	52	47
2400	1150	4100	1.50	375	63	60	55	52	53	49
2800	1325	4775	1.50	375	65	61	57	53	54	51
3200	1500	5450	1.50	375	66	63	58	55	56	52
3600	1700	6125	1.50	375	68	64	59	56	56	54
4000	1900	6800	1.50	375	70	65	61	58	57	55

cfm	L/s	m ³ /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	3.00	750	54	53	53	52	58	57
1200	565	2025	3.00	750	57	56	55	53	59	58
1600	750	2700	3.00	750	59	60	58	53	59	58
2000	950	3400	3.00	750	63	63	60	56	60	59
2400	1150	4100	3.00	750	66	66	62	58	60	59
2800	1325	4775	3.00	750	67	68	63	60	61	59
3200	1500	5450	3.00	750	69	70	64	61	62	60
3600	1700	6125	3.00	750	71	71	66	63	63	61
4000	1900	6800	3.00	750	73	72	67	64	65	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. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

